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# SEMCOR

Moorestown, New Jersey — Arlington, Virginia — San Diego, California

ANALYSIS OF MULTIPLE-USER

POLLER-SENSOR MULTIPLEX LINK

22 JUNE 1979

Contract No. N62269-77-C-0506

Prepared for:

J. O'Donnell, Code 5021 ~~5510~~
NAVAL AIR DEVELOPMENT CENTER
Warminster, Pennsylvania 18974

7900461

# ANALYSIS OF A MULTIPLE-USER POLLER-SENSOR

## MULTIPLEX LINK

Contract No. N62269-77-C-0506

Prepared for: 5021

J. O'Donnell, Code 5510
Naval Air Development Center
Warminster, Pennsylvania 18974

Prepared by:

B. Stad
SEMCOR, Inc.
Moorestown, New Jersey   08057

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# SECTION 1

## INTRODUCTION

SEMCOR, Inc. is under contract to the Naval Air Development Center (contract N62269-77-C-0506, dated 30 September 1977) to provide a computer analysis of a multiplex link. This report documents this analysis and is intended to fulfill the requirements of data item A002, the Engineering Report.

SEMCOR has developed and modified a computer model of the multiplex link, has exercised it, and has analyzed the results. Section 2 of this report describes the computer model. Section 3 discusses the results of running the model, and Section 4 presents conclusions.

In running the model, SEMCOR investigated the effects of varying the link transmission speed, number of sensors, sensor buffer length, time between updates of sensor buffer (called sensor period in this report), sensor intelligence, and probability of the sensor having useful data (only applicable to intelligent sensors; called probability of detection in this report). Sensors were turned on simultaneously and at even intervals to see if the turn on strategy had a significant effect on link performance. Three polling strategies (linear, group, and sensor contention) were considered. The effectiveness of the link was measured by observing the percentage of data dropped.

This study concludes that intelligent sensors provide the most effective method of improving link performance. If dumb sensors are to be used, group polling provides some improvement over linear polling. Sensor contention polling, given the constraints of the link, is less effective than linear polling. Sensor contention polling is therefore not recommended.

One combination of sensor buffer length, sensor period, and link speed was completely unworkable. With a 10,240-bit buffer, 30-second period, and 300 bps transmission rate, no messages ever make it over the link.

# SECTION 2

# PROGRAM DESCRIPTION

The link model is an event-oriented, Monte-Carlo, FORTRAN computer program, intended to be run on a time-shared terminal. The program asks the user for all required input data and then outputs summary data to the terminal. A random number generator is called to determine the outcome of any random events.

To make modifications or expansion possible, the model is made of several modules, each responsible for a specific function. These modules are described in paragraph 2.5.

## 2.1 GENERAL DESCRIPTION

The program is intended to model the operation of a multiplex link between up to 120 sensors at one end and single poller at the other. The poller and sensors, however, are not the sole users of the link. A competitor takes the link away at random intervals. If the competitor takes the link away at a critical time, if it keeps the link busy for too long, or if the link is overloaded by the sensors, some of the sensor data will be lost. The primary measure of effectiveness tabulated by the model is the percentage of sensor data lost.

The program is event-oriented. That is, instead of looking at the state of the simulation at fixed time intervals regardless of whether a critical event is occurring, this program determines when critical events occur, specifies which event is next, and then processes that event. The program is also a Monte-Carlo simulation. Because of the random number generator, two identical runs will generally yield different results. This variation can give the operator a feel for the range of results he might encounter in the actual operation of the system.

### 2.1.1 The Multiplex Link

Figure 2-1 shows the timing and logic of the link. Starting from the idle state (A), the link controller issues a net control transmission (NCT) and waits for all link users to receive it (PD) and for a high-priority user to request it (PR). The user competing with the link can be a high-priority user and take the link at this time. If this occurs, the link goes through the competitor's cycle (B), and returns to the idle state (A). If not, the link controller waits for any user to request the link. Twenty time slots, called general access time slots, are provided to allow the users to request the link. If it requires the link, the user transmits a request during one of these time slots. The user picks a time slot at random. The poller and the competitor may both come up in these time slots, and whichever one happens to pick an earlier time slot will get the link. There will never be a situation in which neither gets the link, because the poller will always request it.

If the competitor gets the link, the link goes through the competitor's cycle (B) and returns to the idle state (A). If not, the controller issues a transmission indicating that the poller and sensors have the link (E), waits for everyone to get it (PD), and gives a high-priority competitor one last chance to preempt the poller and sensors (PR). If the competitor elects to take the link, the link goes through the competitor's cycle (B) and returns to the idle state (A). If this does not occur the sensors and their poller can use the link for one message period (MSG) of 30 seconds without interference. After the message period, the link returns to point E, where an NCT indicates that the poller and sensors still want the link. Before the next message period can start, however, there will be a PR to allow a high-priority user to gain control of the link.

Between the idle state (A) and the sensors' mode (E), there are three decision points which must be passed. The outcome of these decisions is random. The probability that the link will pass directly from the idle state (A) to the sensors' mode (E) without the competitor gaining control of the link is 0.5.

TIME ——▶

DECISION POINTS: ▽

▽

▽

▽

IDLE

A ——▶ | NCT | PD | PR |

B (COMPETITOR)
C (SENSORS)

(PROBABILITY FOR SENSOR SELECTION = $(0.9)^{0.1}$ = 0.98952)

B ——▶ | NCT | MSG | PD | NCT | PD | TS 1 | ... | TS 20 | NCT | PD | TS 1 | ... | TS 20 | ——▶ A

COMPETITOR'S MODE

COMPETITOR'S CYCLE = 95.236 SEC.

3 CYCLES      3 CYCLES

C ——▶ | TS 1 | ... | TSC |

B (COMPETITOR)
D (SENSORS)

(PROBABILITY FOR SENSOR SELECTION = $\dfrac{0.5}{(0.9)^{0.1}}$ = 0.50530)

D ——▶ | TS C+1 | ... | TS S | ——▶ E

E ——▶ | NCT | PD | PR |

B (COMPETITOR)
F (SENSORS)

SENSORS' MODE

F ——▶ | MSG | PD | ——▶ E

SENSOR'S CYCLE

(PROB. FOR SENSOR SELECTION = $(0.9)^{0.1}$)

KEY:

MSG = USER'S MESSAGE = 30.000 SEC.
NCT = NET CONTROL TRANSMISSION = 0.498 SEC.
PD = PROPAGATION DELAY = 0.250 SEC.
PR = PRIORITY REQUEST = 0.350 SEC.
TS1 ... TS20 = TIME SLOTS 1-20, 0.500 SEC. EACH,
      10.000 SEC. TOTAL.
TSC = COMPETITOR'S TIME SLOT = 0.500 SEC
TSC+1 = TIME SLOT FOLLOWING COMPETITOR'S TIME SLOT = 0.500 SEC.
TS S = SENSOR'S TIME SLOT = 0.500 SEC.

Figure 2-1. Link Model Used for Simulation Program

2-3

Once in the sensors' mode (E), the probability that the link will stay in that mode (that is, will not be preempted in the PR) for ten message cycles is 0.9.

These requirements are met if the probability of the sensors making it through any PR (that is, not being preempted by the competitor) is 0.9895 and if the probability of the sensors' being selected in the general access time slots is 0.5053. The derivation of these probabilities is discussed in paragraph 2.5.

### 2.1.2 The Poller and Sensors

Once the poller and sensors have the link, they are free to use it in any manner. There are no protocol or data format requirements imposed by the link controller during the message period. This allows a wide variety of polling schemes, data rates, and degrees of sensor or poller intelligence.

The sensors accumulate data continuously, until they fill a data buffer. Once this buffer is filled, it is dumped to a transmit buffer. Whenever the poller interrogates the sensor, the sensor transmits the contents of the transmit buffer. The time between two updates of the transmit buffer is called the sensor period. If the sensor is not interrogated once each period, data will be lost when the new data overwrite the old data in the transmit buffer.

The poller knows when the sensors will update their buffers. The sensors may update their buffers at different times, but the length of the period for all sensors is the same. The poller will generally interrogate the sensors in the order in which they will lost data. That is, the sensor which is going to lose data the soonest will be polled first.

### 2.1.3 Polling Strategies and Sensor Intelligence

Three major polling strategies were examined in this study: linear polling, group polling, and sensor contention. In a linear polling scheme, a poll is sent to a particular sensor, which responds by transmitting the contents of its buffer. The next sensor is then polled and responds; this continues until the entire field

has been polled. Figure 2-2 shows the timing diagram of this type of polling scheme. The offset between the time a message is sent and the time it is received is to allow for propagation delay (PD) between the poller and the sensors. The poller starts sending the next poll before the previous reply is completed, saving one propagation dealy per poll reply cycle. The sensors do not need to overlap polls and replies. TMSG refers to the 30-second message time of Figure 2-1. The cycle time in the upper right corner refers to the time required for one poll/reply cycle. The poller does not send a poll if there is not enough time to complete this cycle.

If the sensor is "dumb," it will always send the entire contents of its transmit buffer. If the sensor is "intelligent," it will analyze the data it received to determine whether the data are useful. If the data are useful, they will be sent. If not, a much shorter message, telling the poller that no useful data are present, will be sent. This relieves the poller of some of the processing burden. More important, if a linear polling scheme is being used, the poller can send the next poll sooner so more sensors can be interrogated in the 30-second message interval.

The second polling scheme examined by this study is group polling. The poller sends a poll to a group of sensors, which send their messages one after another. The most efficient group polling scheme would be for the poller to send one poll at the start of the message period, addressing enough sensors to fill the remaining time with replies. This is the scheme that was chosen for this study to maximize the difference between linear and group polling schemes. A timing diagram of this scheme is presented in Figure 2-3. Note that an intelligent sensor does not speed responses in this scheme; since the sensors listen only to the poller and not to other sensors, they cannot tell whether the sensors before them transmitted data or not. The sensors must wait the worst-case length of time before they transmit, assuming that all sensors before them transmitted a full buffer of data.

POLLER | SEND POLL | | REC REPLY 1 | REC REPLY 2 | REC REPLY 3 | REC REPLY 4 | REC REPLY 5 | REC REPLY 6 | REC REPLY 7 |

SENSORS | RECEIVE POLL | | SEND REPLY 1 | SEND REPLY 2 | SEND REPLY 3 | SEND REPLY 4 | SEND REPLY 5 | SEND REPLY 6 | SEND REPLY 7 |

TMSG
(30 SEC)

PD
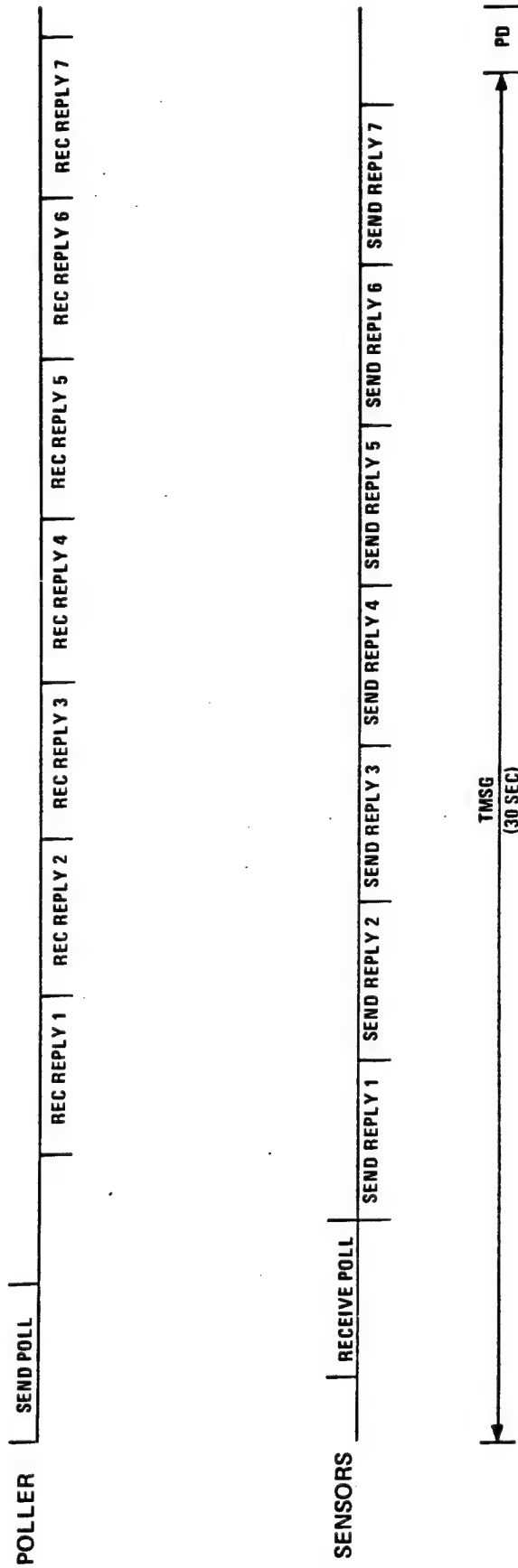
Figure 2-2. Linear Poller Timing Diagram
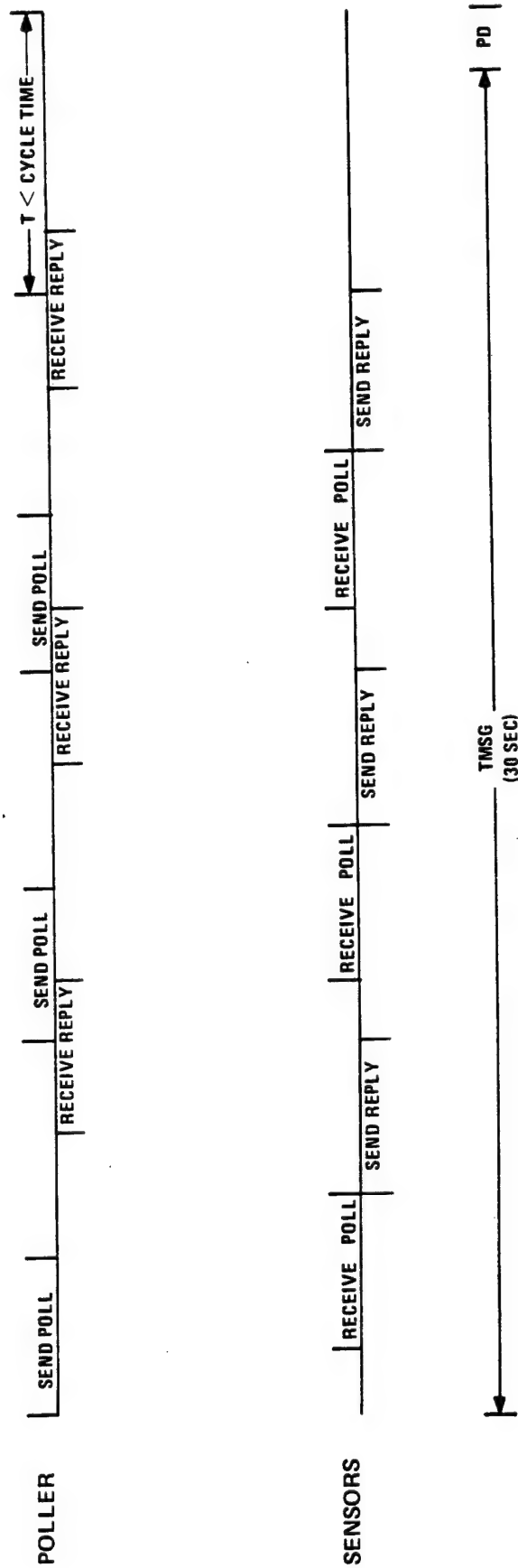
Figure 2-3. Group Poller Timing Diagram

The last scheme, sensor contention, assumes that the sensors are all intelligent. The poller sends out a request for status, then waits a set period of time for replies. This reply period consists of several time slots, called sensor answer slots. If a sensor has data to report, it comes up at random in one of these time slots. There must be enough slots so that the probability of conflicts (two or more sensors coming up in the same time slot) is fairly low. This probability will be a function of the product of the number of answer slots, the probability of the sensors having data to transmit, and the number of sensors.

Once any sensor with data have come up in the answer slots, the poller sends out a poll requesting those sensors to transmit. If two sensors come up in the same slot, both are ignored, and will not be polled. They will try again in the next set of answer slots. If the sensors have a low probability of having data, a few answer slots can serve many sensors; this saves a considerable amount of time.

## 2.2 PROGRAM INPUTS AND OUTPUTS

There are three kinds of inputs to the program. First, there are the implicit inputs which were set up when the program was written and are never changed; these are the link parameters. Second, there are the parameters to which the program is providing data to analyze. These parameters must be input each run. Third, there are variables and logic which determine the particular strategy being used. These strategic inputs are set up in the program and then used for several runs.

### 2.2.1 Implicit Inputs

The parameters which remain constant over all runs include the following:

- Probability of getting through a priority request without being preempted (0.98952)

- Probability of the link successfully getting through the general access time slots (0.5053)

- Competitor's cycling time (95.236 sec)
- Propagation delay (0.250 sec)
- Time required for a priority request (0.350 sec)
- Time required for a net control transmission (0.498 sec)
- Time allowed for user's message (30.0 sec)
- Sensor reply time slot length (sensor contention only) (0.500 sec)

These apply to the model presented in Figure 2-1.

### 2.2.2 Explicit Inputs

The explicit inputs, which are entered at the start of each run, include the following:

- Run identification number (an arbitrary number, used to identify a given run)
- Number of sensors
- Sensor data period
- Transmission rate
- Length of sensor message (number of bits in sensor transmit buffer)
- Number of bits in a poll
- Length of simulation (simulated time in hours)
- Probability of target (intelligent sensors only)
- Number of reply slots (sensor contention only)

### 2.2.3 Strategic Inputs

These inputs are not inputs in the same sense as the implicit and explicit inputs. The strategic inputs are implied in various logical modules within the program. There are three strategic inputs, which can be run in various combinations. The three inputs are polling strategy, sensor intelligence, sensor and turn-on. The three polling strategies, linear polling, group polling, and sensor contention, have already been discussed. The sensor intelligence possibilities have also been discussed. Any polling strategy may be used with either dumb or intelligent sensors, except for sensor contention which requires

intelligent sensors. The combination of group polling and intelligent sensors, while possible, will not provide any advantages over dumb sensors, as discussed in paragraph 2.1.3.

The third strategic input, sensor turn-on, has not yet been discussed. If the sensors are all turned on at the same time, they will all update their buffers at the same time. If the link is taken away by the competitor at an inopportune time, the data from all sensors in the field may be lost. If the sensors are turned on at even intervals over a time equal to one sensor period, then the loss of the link at any time will be more likely to cause the loss of some data but less likely to cause the loss of data from all the sensors. There are many other possibilities for sensor turn on, just as there were many possible polling strategies. However, simultaneous and even-interval turn ons are representative of the available options, therefore, they were the only ones considered.

The logic used to implement the strategic inputs is discussed in paragraph 2.5.

### 2.2.4 Outputs

The program basically provides a summary of the amount of sensor data which are sent over the link and the percentage which are lost. The printout is on 8-1/2 in x 11 in sheets, with up to 30 sensors per sheet. Explicit inputs are summarized in the printout. Strategic inputs are output as part of an alphanumeric message which is modified manually whenever strategies are changed. Implicit inputs are not printed. The time and date of the run is also printed so that runs can be distinguished, even if they are inadvertently given the same run number. A sample output is shown in Figure 2-4.

### 2.3 PROGRAM ORGANIZATION

The program is organized as a set of seven subroutines, which are responsible for handling most program functions, and a short (less than 20 statements) executive routine which calls the subroutines (see Figure 2-5.)

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:     30
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 21 | 1 | 22 | 4.5455 |
| 2  | 20 | 1 | 21 | 4.7619 |
| 3  | 21 | 1 | 22 | 4.5455 |
| 4  | 20 | 1 | 21 | 4.7619 |
| 5  | 20 | 0 | 20 | 0.0000 |
| 6  | 22 | 1 | 23 | 4.3478 |
| 7  | 21 | 1 | 22 | 4.5455 |
| 8  | 19 | 1 | 20 | 5.0000 |
| 9  | 18 | 1 | 19 | 5.2632 |
| 10 | 21 | 1 | 22 | 4.5455 |
| 11 | 19 | 1 | 20 | 5.0000 |
| 12 | 18 | 1 | 19 | 5.2632 |
| 13 | 19 | 1 | 20 | 5.0000 |
| 14 | 20 | 1 | 21 | 4.7619 |
| 15 | 19 | 1 | 20 | 5.0000 |
| 16 | 21 | 1 | 22 | 4.5455 |
| 17 | 17 | 1 | 18 | 5.5556 |
| 18 | 18 | 1 | 19 | 5.2632 |
| 19 | 18 | 1 | 19 | 5.2632 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 20 | 0 | 20 | 0.0000 |
| 22 | 18 | 2 | 20 | 10.0000 |
| 23 | 21 | 2 | 23 | 8.6957 |
| 24 | 18 | 2 | 20 | 10.0000 |
| 25 | 19 | 2 | 21 | 9.5238 |
| 26 | 17 | 2 | 19 | 10.5263 |
| 27 | 19 | 1 | 20 | 5.0000 |
| 28 | 19 | 2 | 21 | 9.5238 |
| 29 | 20 | 2 | 22 | 9.0909 |
| 30 | 18 | 1 | 19 | 5.2632 |
| TOTAL | 583 | 35 | 618 | 5.6634 |

Figure 2-4.  Sample Program Output
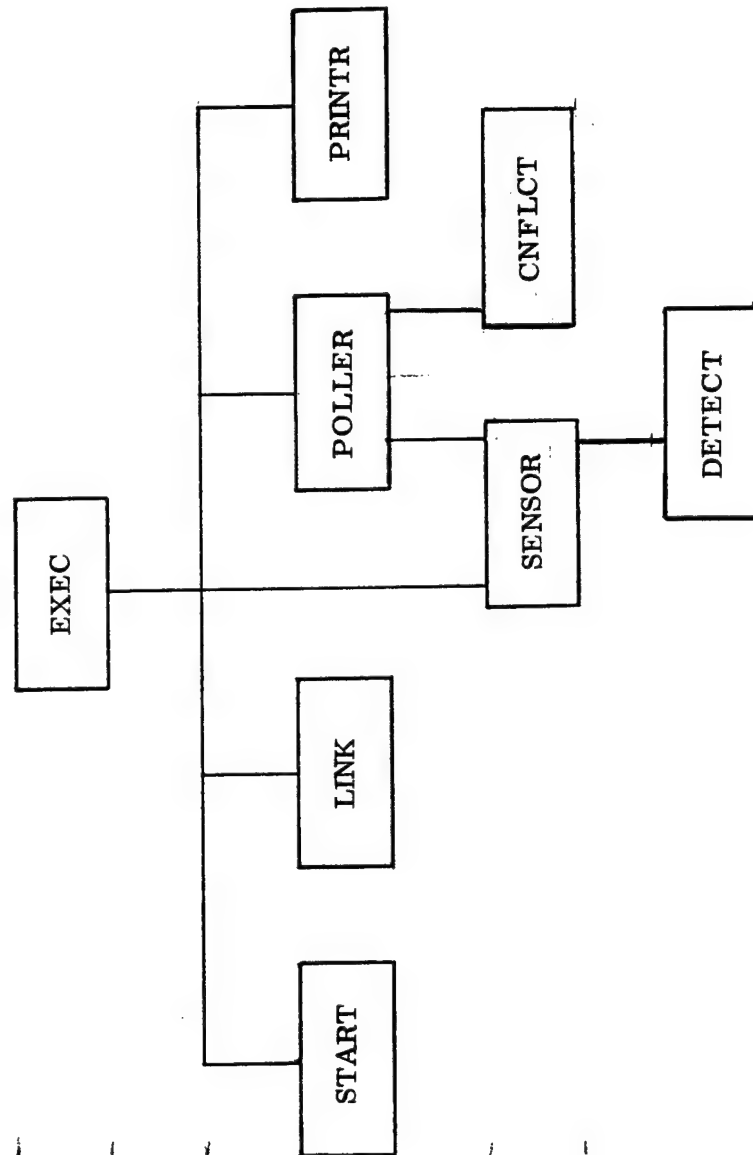
Figure 2-5. Program Organization

2-12

The seven subroutines are as follows:

- START
- LINK
- DETECT
- CNFLCT
- SENSOR
- POLLER
- PRINTR

The START subroutine is called from the executive as the first subroutine on each run. It prompts the operator to enter the explicit inputs, clears all the accumulating variables, initializes status variables, and sets up operating parameters.

The LINK subroutine simulates the random availability of the data link. Its only inputs are its previous state and the current time. Its only outputs are the link availability (either available or not) and the next time the LINK routine must be called.

The DETECT subroutine is only used when intelligent sensors are modelled. It calls a random number generator to determine whether or not a detection has occurred. It keeps track of the status of each sensor so that a given sensor will give the same response throughout a given period, regardless of how often DETECT is called.

The CNFLCT subroutine simulates the sensors answering in random answer slots in the sensor contention mode. If two sensors come up in the same slot, CNFLCT sets flags to prevent these sensors from being polled.

The SENSOR subrountine keeps track of the times when the sensors will have data ready and the times when data will be dropped. Its primary function is bookkeeping; it increments counters whenever messages are picked up or dropped. Its only other output to the rest of the program occurs the next time

2-13

a message is dropped. This allows the executive routine to determine when SENSOR must be called to drop messages. If the sensors are intelligent, SENSOR will call DETECT to determine if the sensor has useful data.

The POLLER routine is called from the executive whenever the link is available. POLLER then will assume the duties of the executive until the link is no longer available. During this period, POLLER will call SENSOR to transmit or to drop messages and will keep track of current time. The calls to SENSOR to pick up messages will be performed according to the predefined strategic inputs. It will also call DETECT to determine whether an intelligent sensor has useful data, and CNFLCT to determine if any sensors conflict in the answer slots in the sensor contention mode.

The PRINTR routine simply arranges the data in a convenient format and outputs it to the terminal. Its printouts are in an 8 1/2 in X 11 in format, and it can handle up to 30 sensors per page. The printout will be up to four pages long to handle up to 120 sensors.

The executive routine, EXEC, is the simplest routine in the program. Initially, it calls START. It then starts the program execution loop. In this loop it determines which of the critical events will occur next: either a sensor will drop data or the link will change state. Depending on the outcome of this determination, it calls either SENSOR or LINK. Next, it will call POLLER, if the link is available. It will then return to the top of the loop and repeat. Once the end of the simulation is reached, it calls PRINTR, then repeats the whole process by calling START again.

## 2.4 PROGRAM LOGIC

This section will describe the eight modules (seven subroutines and main program) which constitute the program.

### 2.4.1 Executive Routine (EXEC)

EXEC is the main program. It keeps track of simulated time (which runs much faster than real time) and calls various subroutines as necessary. Figure 2-6 shows the flow chart of EXEC.
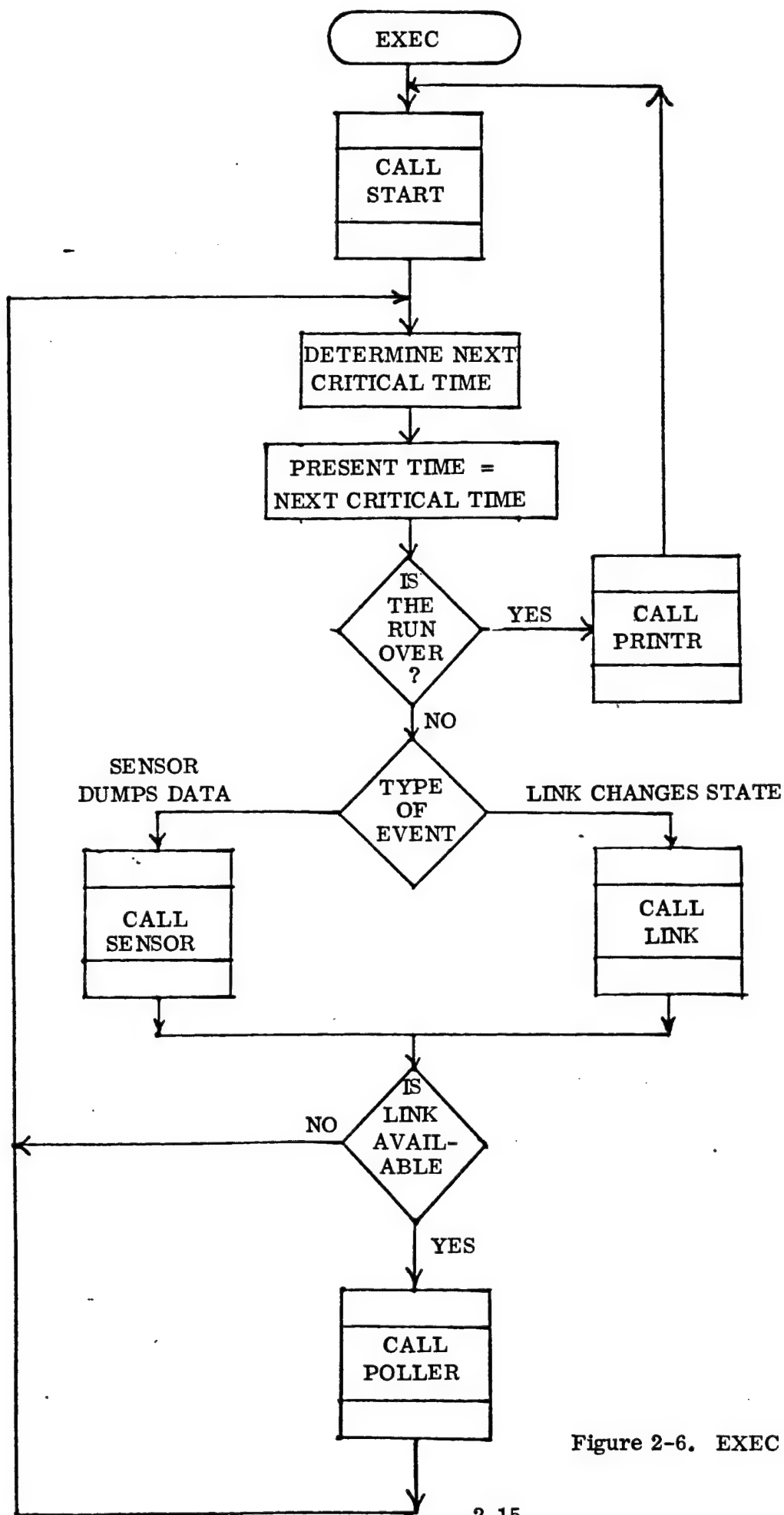
Figure 2-6. EXEC Flow Chart

EXEC initially calls START to initialize the run. START's operation is summarized in paragraph 2.5.2. EXEC then determines when the next critical simulation event will occur and moves the simulation time up to that event. The event can be the link changing state or a sensor losing data. The START routine will have set up the variables so that EXEC will initially determine that the LINK subroutine must be called, to specify when the link will become available. Assume that the link is in the idle state at the start of the simulation.

In general, EXEC will call either SENSOR to drop data or LINK to change the link's status from available to not available or vice versa.

Once the critical event has been processed, EXEC checks the availability of the link. If the link is available, EXEC calls POLLER, which simulates the conversation over the link between the sensors and the poller. POLLER will take over the timekeeping functions as long as the link is available. When the link is no longer available, POLLER will return to EXEC.

When EXEC determines that the run is over (that is, the next critical event occurs past the end time input to the user), it calls PRINTR to output summary data, then calls START again to see if another run is to be made.

2.4.2 Initialization Subroutine (START)

START is a fairly straightforward subroutine (see Figure 2-7). It initially reads in a run number from the terminal. A run number equal to zero is the signal that no more runs are desired, and the program terminates.

If the run number is not zero, the user is prompted for the explicit inputs. The START subroutine then clears accumulating variables, such as message counters, initializes status variables, such as simulation time and link availability, and sets up the initial critical event times. The initial critical sensor time will always be set to a value greater than zero, and the initial critical link time will be set to zero. This ensures that EXEC will determine that the first critical event is a change in link status and will call LINK first.
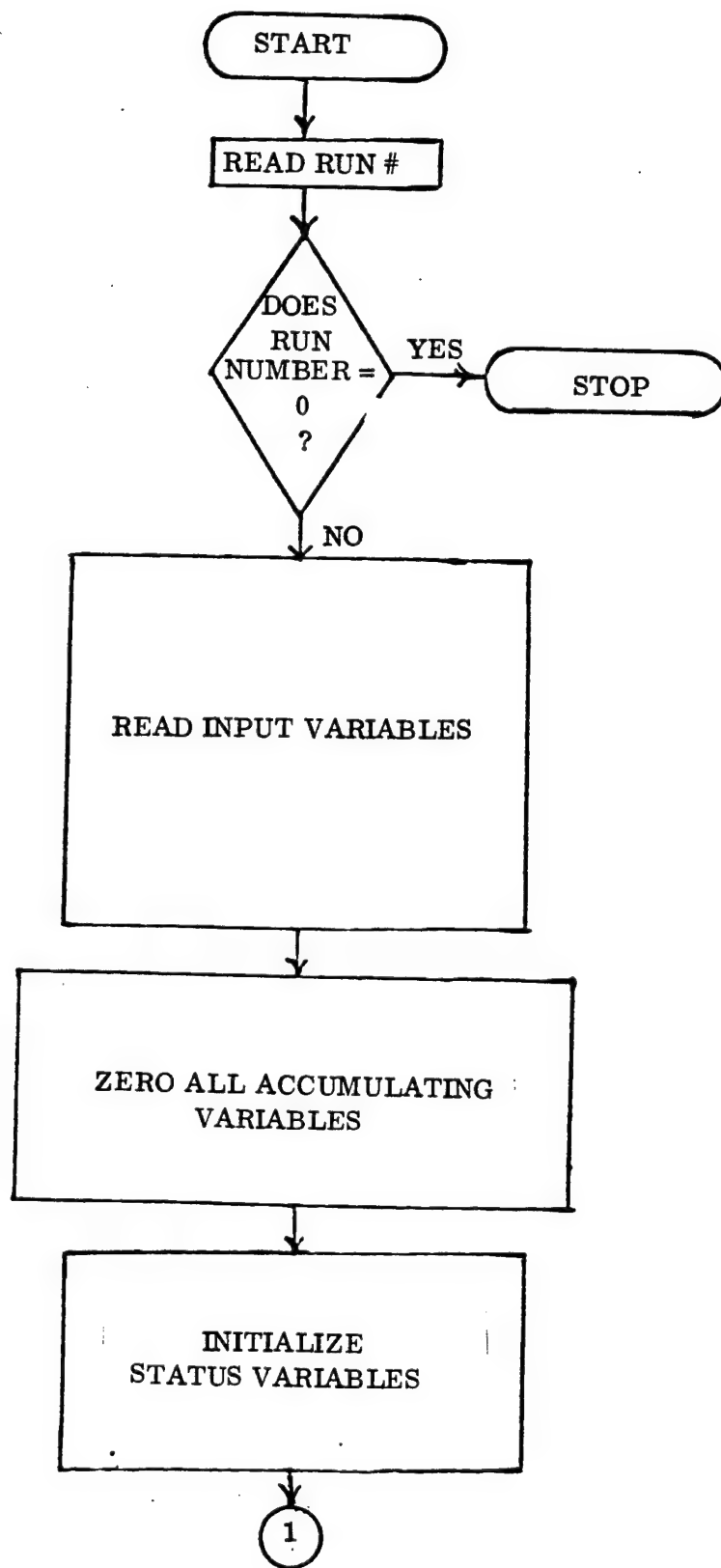
Figure 2-7. START Flow Chart
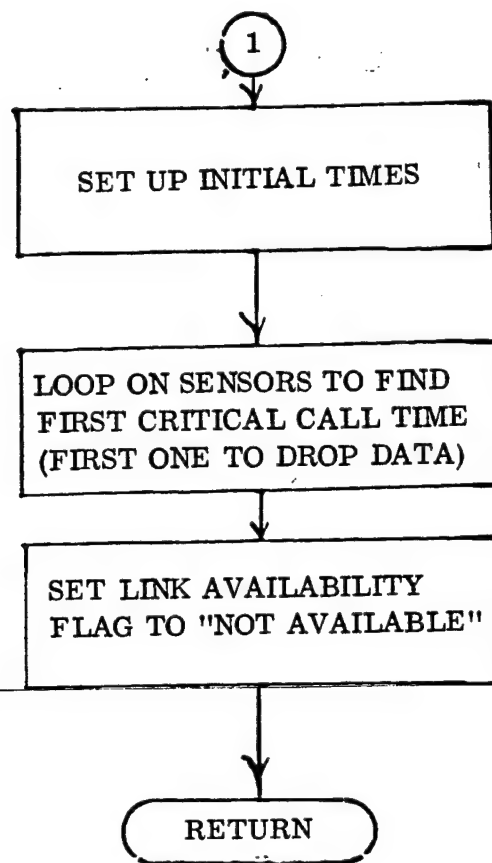
Figure 2-7. START Flow Chart (Continued)

### 2.4.3 Link Simulation Subroutine (LINK)

The LINK subroutine (see Figure 2-8) controls the availability of the link for the use of the sensors. It outputs only two variables: the link available flag (yes or no) and link critical time (when LINK will next change state). This subroutine has three possible internal states: idle, message starting (just after priority request), and message over. The initial state is idle and is set up by START. Subsequent states are determined by LINK itself. When LINK is called the first time at Time = 0.0 hr, it runs through a set of decisions just as the actual link would (see Figure 2-1). The outcome of the decisions, however, is based on a random variable rather than on actual requests from a competing user. After some number of decisions, it is determined that the link will become available at a certain time in the future. Since the link will not be available until then, the link-available flag is set to "not available." The time when the link will become available is output as the next critical link time, so that EXEC will know when to call LINK again.

When EXEC calls LINK again at the appropriate time, LINK will simply set the link-available flag to "available" and set the next critical time to present time plus 30 seconds. This means that the poller and sensors can use the link for 30 seconds.

Thirty seconds later, LINK will be called again. The link will be at the point in time at which a message has just been completed. At this point, the random variable is examined to see if the competitor will preempt the sensors. The logic is very similar to the initial idle state logic, and in fact much of the logic is shared between these two functions. At the end of the loop, which is traversed a random number of times, it will have been determined when the link becomes available. The link-availability flag is set to "not available" until that time, when EXEC calls LINK again.

From this point to the end of the simulation, the link alternates between these two states, the first at the beginning of a message period, the second at

2-19
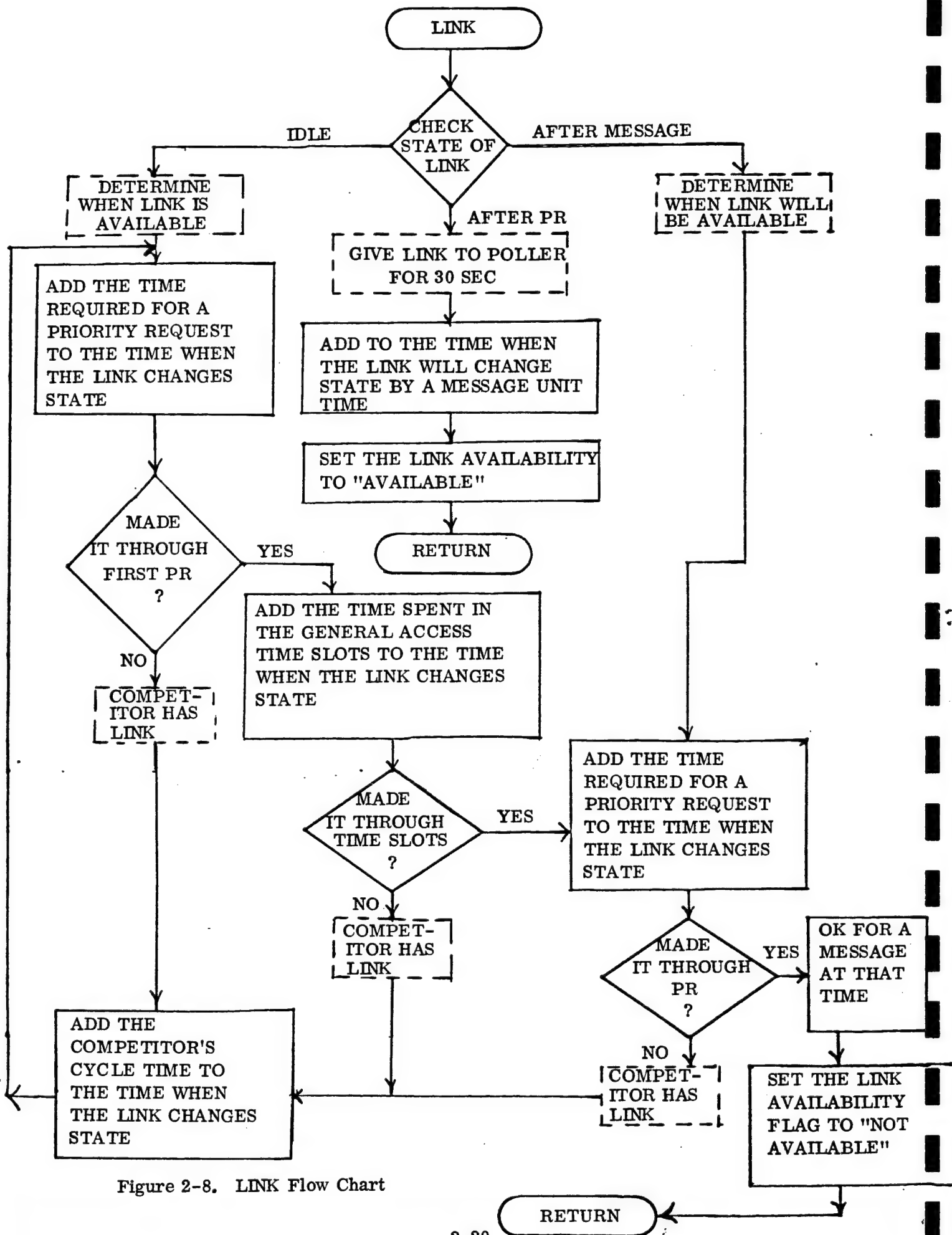
Figure 2-8. LINK Flow Chart

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the end. Each time LINK is called, therefore, the link-availability flag changes state, and the time of the next state change is output for EXEC.

The probabilities associated with the decision points are based on two assumptions. The first assumption is that, once the link becomes available, the probability that it will be available for at least ten message cycles is 90 percent. This means that the probability that the competitor will take the link away during any given priority request interval, $P_{pr}$, must be $(0.9)^{0.1}$, or about 0.9895. The second assumption is that the probability of going from the idle mode to the sensors' mode without the competitor getting the link is 50 percent. In order to get from the idle mode to the sensors' mode, two decision points are passed: a priority request and a set of general access time slots. The probability of making the transition without interruption is therefore

$$P_{tis} = (P_{pr}) \cdot (P_{ts}), \text{ or } P_{ts} = \frac{P_{tis}}{P_{pr}}$$

where

$P_{tis}$ = Probability of transition from idle to sensors' mode

$P_{pr}$ = Probability of getting through priority request

$P_{ts}$ = Probability of getting through time slots

$P_{tis}$ is given as 0.5, and $P_{pr}$ is known from the first assumption to be 0.9895. Thus,

$$P_{ts} = \frac{P_{tis}}{P_{pr}} = \frac{0.5}{0.9895} = 0.5053$$

### 2.4.4 Polling Subroutine (POLLER)

POLLER is a comparatively simple routine (see Figure 2-9). It checks to see which sensor will drop data next, then calls SENSOR to get a message from that sensor. It then adds the polling and reply time to the current time. Since it does advance the simulation time, however, POLLER must perform the same checks performed by EXEC regarding link availability and dropped messages.

2-21
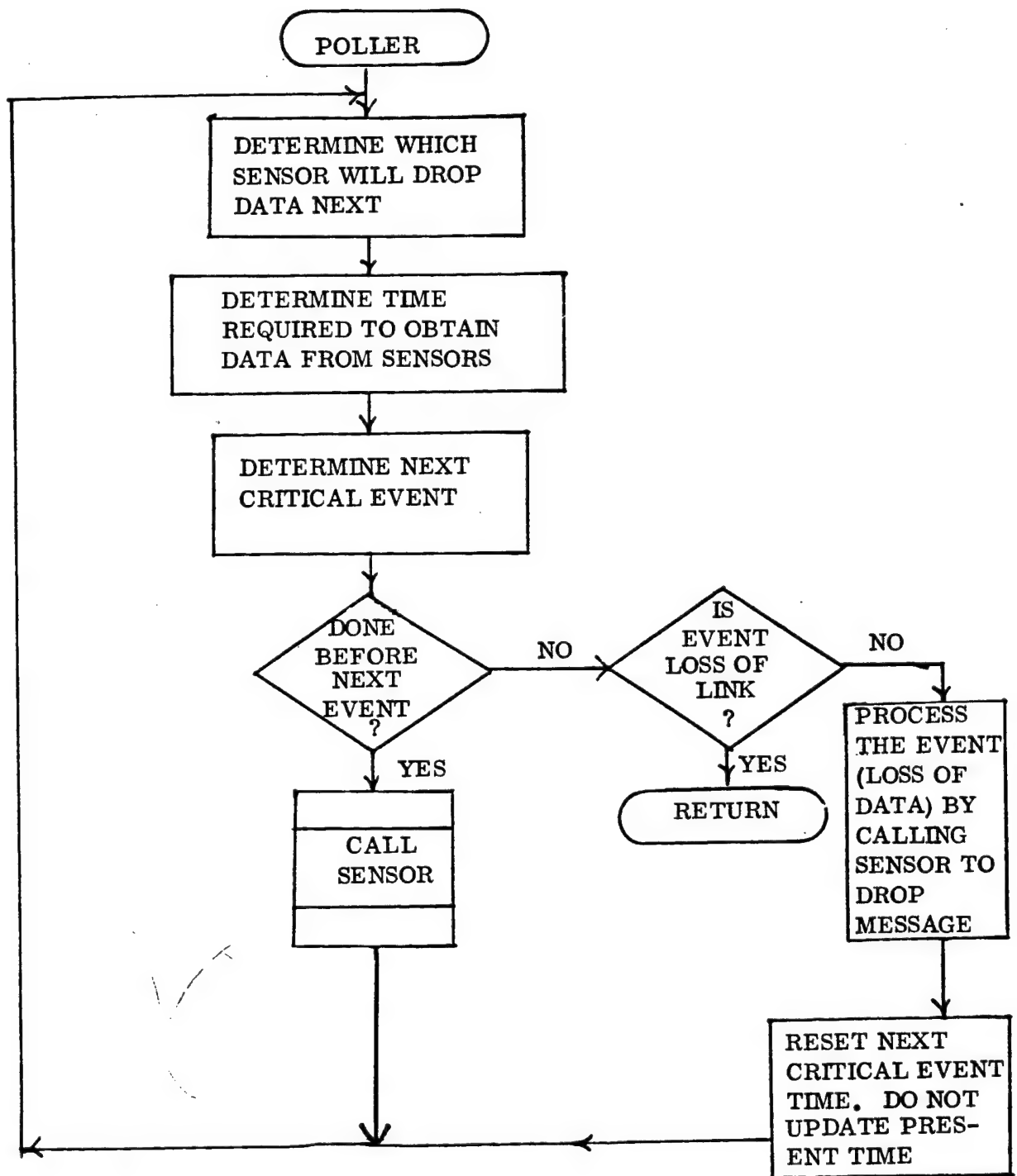
NOTE: Simulation clock is incremented by poller in different ways
depending on polling strategy.  See text for explanation.

Figure 2-9.  POLLER Flow Chart

POLLER retains control until the link is no longer available, at which time it returns to EXEC. If a sensor should come to the point at which a message must be dropped, POLLER will call SENSOR to drop the message, just as EXEC would do.

Implementing different strategies is primarily a matter of juggling times around. For example, in the linear polling scheme with dumb sensors, the same cycle time is required every time a sensor is polled. This cycle time consists of one polling time, one propagation delay, and one reply time.

If the sensors are intelligent, the cycle time depends on whether the sensor being polled has data or not. POLLER calls the DETECT subroutine to determine whether or not the sensor has data.

In a group polling scheme, an initial poll is sent out, and many replies come back. This is simulated by advancing the clock initially by one poll time and one propagation delay, and then by one reply time for each responding sensor.

In a sensor contention scheme, an initial poll is sent; there is a series of answer slots; a second poll is sent, then a number of replies. This is simulated by advancing the clock initially by one poll time, one propagation delay, the time required by the answer slots, and a second propagation delay. DETECT and CNFLCT are called to determine which sensors should be polled. Any sensor that has data (determined by calling DETECT) will be called, provided it does not conflict with another sensor trying to come up in the same answer slot (determined by calling CNFLCT).

2.4.5 Sensor Bookkeeping Subroutine (SENSOR)

The SENSOR routine (see Figure 2-10) has two basic functions. The first is to keep the minimum and maximum call times current. The minimum call time is the time when a message will be ready; an earlier call will not produce new data. The maximum call time is the time when a sensor will drop a message if it is not polled. (The critical sensor time is defined as the earliest
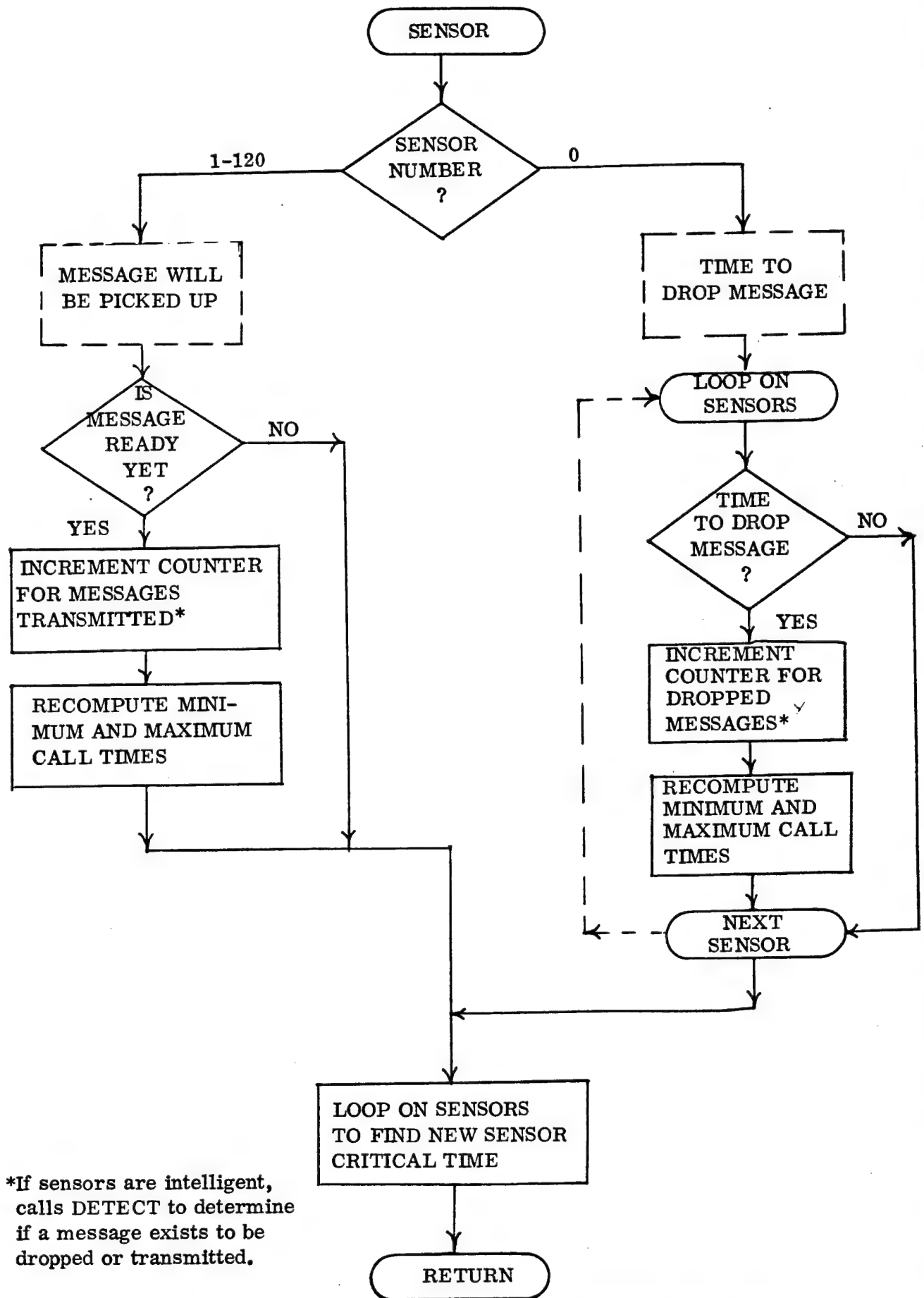
Figure 2-10. SENSOR Flow Chart

*If sensors are intelligent,
calls DETECT to determine
if a message exists to be
dropped or transmitted.

2-24

maximum call time.) The second basic function of the SENSOR routine is to keep track of messages dropped and sent. When EXEC or POLLER calls SENSOR to drop messages, SENSOR loops through the sensors and dumps messages of any sensors whose maximum call times equal the current simulation time. To "drop" a message, a counter for dropped messages is added. There is a separate counter for each sensor. When POLLER calls SENSOR to send a message, POLLER will specify which sensor it needs. If that sensor has a message ready, a message will be "sent" by adding a counter for sent messages. If the sensor does not have a message ready, the message will not be sent. In this latter case, no counter is affected. Whenever a message is sent or dropped, the minimum and maximum call times are incremented by the sensor's update period.

Before SENSOR returns, it loops through all the sensors to find the earliest maximum call time, which becomes the new critical sensor time for EXEC and POLLER.

### 2.4.6  Intelligent Sensor Detection Subroutine (DETECT)

DETECT is called whenever SENSOR or POLLER need to know whether a particular sensor has data or not. DETECT does not return the answer directly. Instead, it makes sure that a set of flags indicating the status of all sensors is current (see Figure 2-11).

DETECT maintains a set of flags, one for each sensor, to indicate which sensors have data to transmit and which do not. DETECT also maintains a set of update times, one per sensor, to indicate the next time that each flag should be updated. This variable is initially set to the minimum call time for each sensor and advanced by the time of one sensor period each time the data flag is updated.

When DETECT is called, it enters a loop to examine the update times and data status for each sensor. It compares the update time to the present simulation time. If the present time is greater than or equal to the update time, then
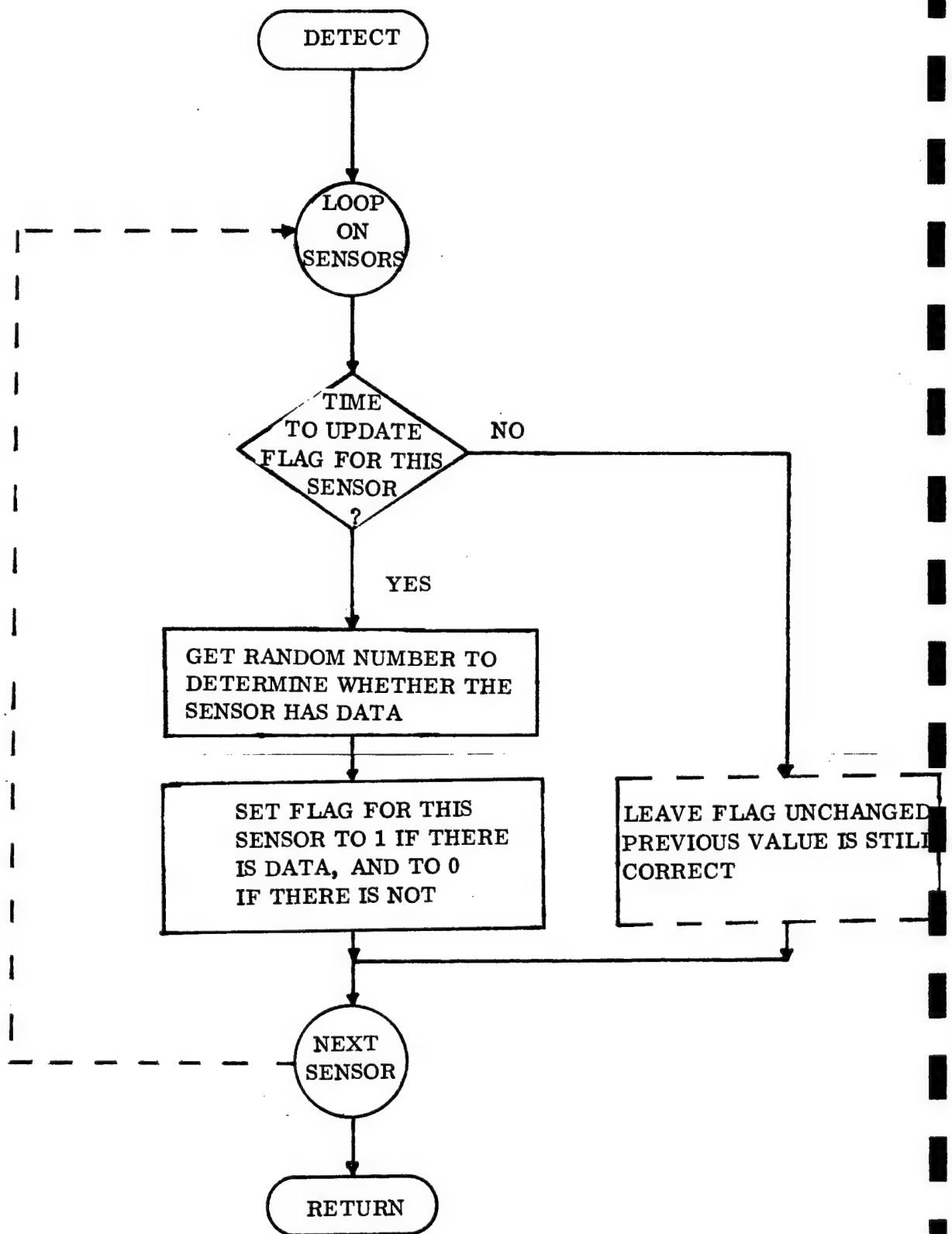
Figure 2-11. DETECT Flow Chart

the sensor has started a new period since the last time DETECT was called. DETECT then compares the probability of detection (one of the explicit inputs) to a random number and sets the data flag accordingly. The update time is then incremented by the length of the sensor period.

If the present time is less than the update time, the sensor is still in the same period it was in when DETECT was last called, so no action is taken.

Because DETECT keeps track of the last time each sensor's flag was updated, DETECT can be called any number of times in a given sensor period. The only requirement is that it be called at least once. This is guaranteed to happen because DETECT will be called whenever SENSOR is called on to send or drop a message.

### 2.4.7  Conflict Determination Subroutine (CNFLCT)

CNFLCT is used in a sensor contention scheme to determine if any conflicts exist in the sensor answer slots. It is called from POLLER. This determination is based on the output of a random number generator.

When CNFLCT is called (see Figure 2-12), it initially clears all conflict flags and slot counters. The conflict flags tell the other subroutines if a particular sensor is conflicting with another in a sensor answer slot. The slot counters keep track of how many sensors have come up in each time slot. If more than one comes up in a time slot, there is a conflict, and neither sensor and be recognized. (The sensors must both try again the next time around.)

CNFLCT then checks each sensor to see if it has data. If it does, CNFLCT assigns the sensor randomly to a time slot. If not, CNFLCT goes to the next sensor.

Once all sensors with data have been assigned to time slots, CNFLCT checks each sensor for conflicts. It keeps track of which sensor was assigned to which slot; therefore, CNFLCT checks the slot counter to see if there is more than one sensor in that slot. If there is, it sets the conflict flag for that
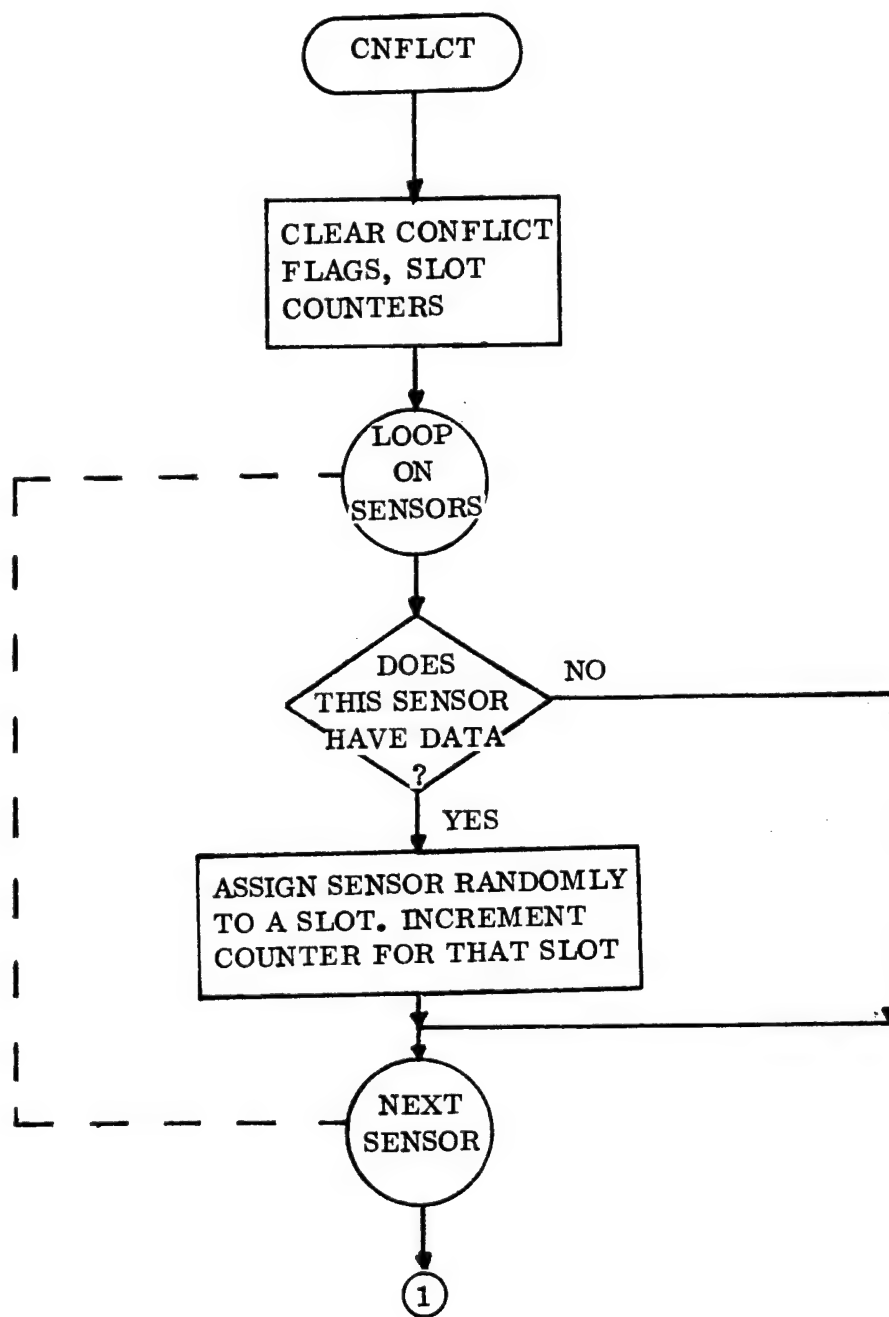
Figure 2-12. CNFLCT Flow Chart
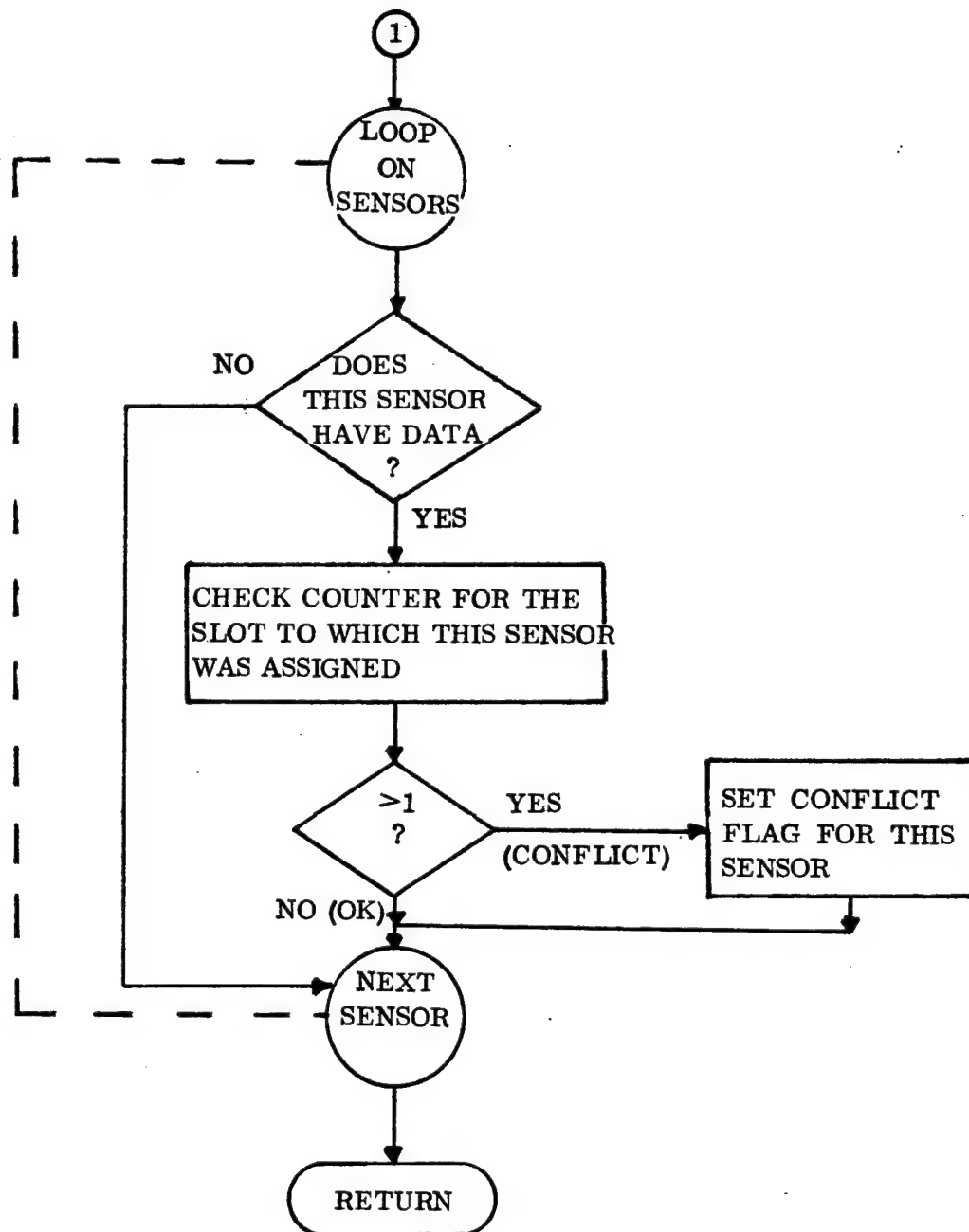
Figure 2-12. CNFLCT Flow Chart (Cont.)

sensor. If not, CNFLCT goes to the next sensor. Once all of the sensors have been examined in this fashion, CNFLCT returns to POLLER.

2.4.8 Data Formatting and Printing Subroutine (PRINTR)

PRINTR is a straightforward routine. It is called by EXEC at the end of the run to summarize the events which occurred in the run. PRINTR does not affect the outcome of the run in any way.

Figure 2-13 summarizes the action of PRINTR on a top-tier level. On each 8 1/2 in X 11 in page output by PRINTR, there are three major sections (see Figure 2-4). The first is the run data section, which summarizes the explicit and strategic inputs and identifies the time and date of the run. The second is a header which prints column headings for the sensor data. The third is the data for up to 30 sensors. A fourth section, the line with the totals of each column, is printed on the last page only.

Figure 2-13 does not illustrate the pagination of printouts for runs with more than 30 sensors. Attempting to do so in a functional flow chart would tend to obscure rather than clarify the operation of the program. Suffice it to say that PRINTR makes a determination prior to printing anything of how many pages are required. PRINTR modifies sensor loops accordingly to start a new page after each 30th sensor.
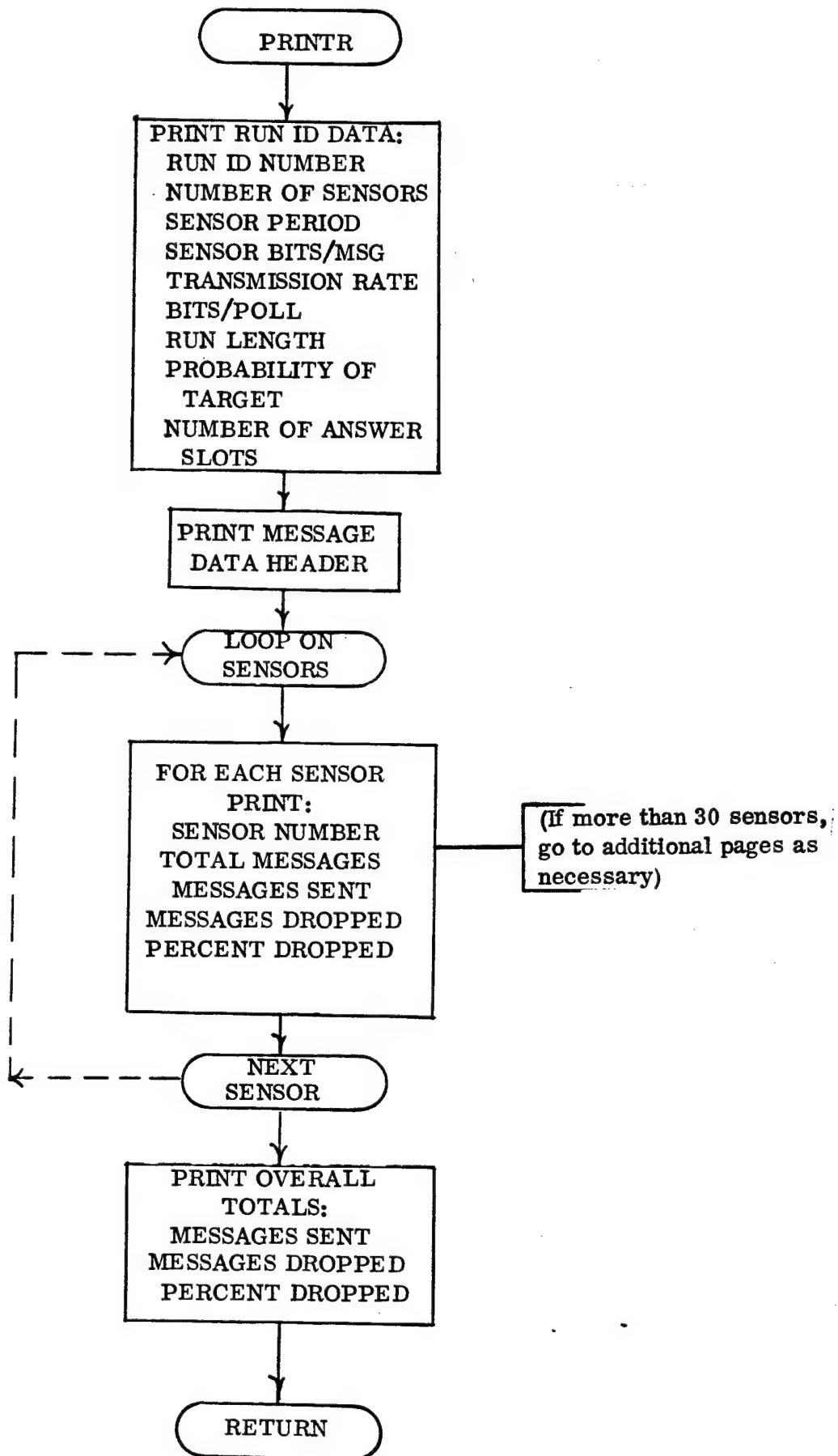
Figure 2-13.  PRINTR Flow Chart

# SECTION 3

## SIMULATION RESULTS

Some of the variables discussed in Section 2 are given parameters, while the others are the parameters to be analyzed. For example, sensor buffer lengths and sensor intelligence are not infinitely variable; there are specific points which correspond to certain real or reasonable sensors. The probability of useful data or the number of sensors in the field, on the other hand, are not so limited. For a given sensor intelligence and buffer length, the probability of useful data and the number of sensors in the field were to be varied to determine the link's performance.

The given parameters include the following:

- Sensor period (300 or 30 seconds)
- Sensor buffer (5240 or 10,240 bits)
- Sensor intelligence
- Polling scheme (linear, group, and sensor contention)

The parameters to be analyzed include the following:

- Number of sensors (5-120)
- Transmit rate (300-4300 baud)
- Probability of useful data (0.1-0.9) (intelligent sensors only)
- Number of sensor reply slots (5-10) (sensor contention only)
- Simultaneous or even-interval sensor turn on

## 3.1 RUNS MADE

A total of 208 runs were made. These runs were divided into 16 groups, each with 13 runs. The run number of each run identifies the group or series in which the run was made and the position of the run in that series. Each series of runs was made with a particular type of sensor. For example, the

100 series of runs consists of 13 runs, numbered between 101 and 194. The sensors are dumb, linear polling is used, and all sensors are turned on simultaneously. For certain sensor types, more than one series was required to exercise the appropriate parameters. Table 3-1 summarizes the 16 different series.

TABLE 3-1.  RUN SERIES NUMBERS

| SERIES | SENSORS | POLLING | TURN ON | PROBABILITY OF DATA | NUMBER OF ANSWER SLOTS |
|---|---|---|---|---|---|
| 100 | dumb | linear | simultaneous | — | — |
| 200 | dumb | linear | even-interval | — | — |
| 300 | dumb | group | even-interval | — | — |
| 400 | dumb | group | simultaneous | — | — |
| 1100 | intelligent | linear | simultaneous | 0.5 | — |
| 1200 | intelligent | linear | simultaneous | 0.9 | — |
| 1300 | intelligent | linear | simultaneous | 0.1 | — |
| 1400 | intelligent | linear | even-interval | 0.5 | — |
| 1500 | intelligent | linear | even-interval | 0.1 | — |
| 1600 | intelligent | linear | even-interval | 0.9 | — |
| 1700 | intelligent | linear | simultaneous | 0.5 | — |
| 1800 | intelligent | linear | simultaneous | 0.9 | — |
| 1900 | intelligent | linear | simultaneous | 0.1 | — |
| 2100 | intelligent | sensor contention | even-interval | 0.5 | 5 |
| 2200 | intelligent | sensor contention | even-interval | 0.1 | 10 |
| 2300 | intelligent | sensor contention | even-interval | 0.5 | 10 |

It should be noted that the 1700, 1800, and 1900 series duplicate the 1100, 1200, and 1300 series. This was done to determine the effect of varying the bit rate of the poll. In the 1100, 1200, and 1300 series, the transmission rates for the sensor and poller were the same. In the 1700, 1800, and 1900 series, the polls were always transmitted at 300 bits per second (bps).

Within a given series, the last two digits indicate the number of sensors, the sensor data period, the sensor buffer length, and sensor transmission rate. Table 3-2 lists the coding for these digits.

For example, run 1525 would have intelligent sensors, linear polling, even-interval turn on, a probability of data of 0.1, 30 sensors, a sensor period of 300 seconds, 5240 bits in the sensor buffer, and a sensor transmission rate of 2400 bps. The printouts of all the runs are included in the Appendix.

TABLE 3-2. RUN NUMBER CODING, LAST TWO DIGITS

| LAST 2 DIGITS OF RUN NUMBER | NUMBER OF SENSORS | SENSOR PERIOD | BUFFER LENGTH | TRANSMISSION RATE |
|---|---|---|---|---|
| 01 | 5 | 300 | 5240 | 300 |
| 02 | 10 | 300 | 5240 | 300 |
| 12 | 10 | 300 | 5240 | 300 |
| 25 | 30 | 300 | 5240 | 2400 |
| 28 | 120 | 300 | 5240 | 2400 |
| 38 | 120 | 300 | 5240 | 2400 |
| 41 | 5 | 30 | 10240 | 300 |
| 61 | 5 | 30 | 10240 | 2400 |
| 62 | 10 | 30 | 10240 | 2400 |
| 72 | 10 | 30 | 10240 | 2400 |
| 82 | 10 | 30 | 10240 | 4800 |
| 84 | 20 | 30 | 10240 | 4800 |
| 94 | 20 | 30 | 10240 | 4800 |

## 3.2  ANALYSIS OF RESULTS

Each series of runs was designed to examine the capabilities of a particular sensor type, polling scheme, and turn on strategy.  These series will be discussed individually.  The reader may wish to refer to the runs in the Appendix.

### 3.2.1  Dumb Sensors, Linear Polling, Simultaneous Turn On (100 Series)

Since all sensors have the same data period, the simultaneous turn on strategy results in all unserviced sensors losing data at the same time.  Since the sensors are polled in numerical order, all sensors with numbers higher than the last sensor polled will lose data simultaneously.  This means that, given any two sensors, the one with the higher number must have at least as many dropped messages as the one with the lower numbers.  For example, in run 102, sensors 1 and 2 have no dropped messages, sensor 3 has one, sensors 4 and 5 have two, and so on up to sensor 10 with 21 dropped messages.  This shows clearly the point where the link becomes saturated and cannot handle additional sensors.

Figures 3-1 through 3-4 show the number of dropped messages plotted against the sensor number for the 100 series of runs.  Each curve represents one run.  Figure 3-1, showing the 100 series runs for a 300-bps transmission rate and a 5240-bit, 300-second buffer, shows that saturation occurs at 10 sensors.  Figure 3-2 shows that increasing the transmission rate pushes the saturation point to about 106 to 108 sensors.  Figure 3-3 shows the 10,240-bit, 300-second buffer, with a 2400-bps transmission rate.  There is no figure for this buffer with a 300-bps transmission rate (run 141), because saturation occurs with the first sensor.  In fact, the 41st run in all series loses 100 percent of the data, because it takes more than 30 seconds to transmit one message.  Even at 2400 bps, saturation occurs at seven sensors.  Increasing the transmission rate to 4800 bps causes saturation to occur at 13 sensors.

It should be noted that the number of messages dropped before saturation occurs varies significantly from run to run.  This indicates the variability which could be expected in actual operation for the probabilities of interruption assumed in this study.
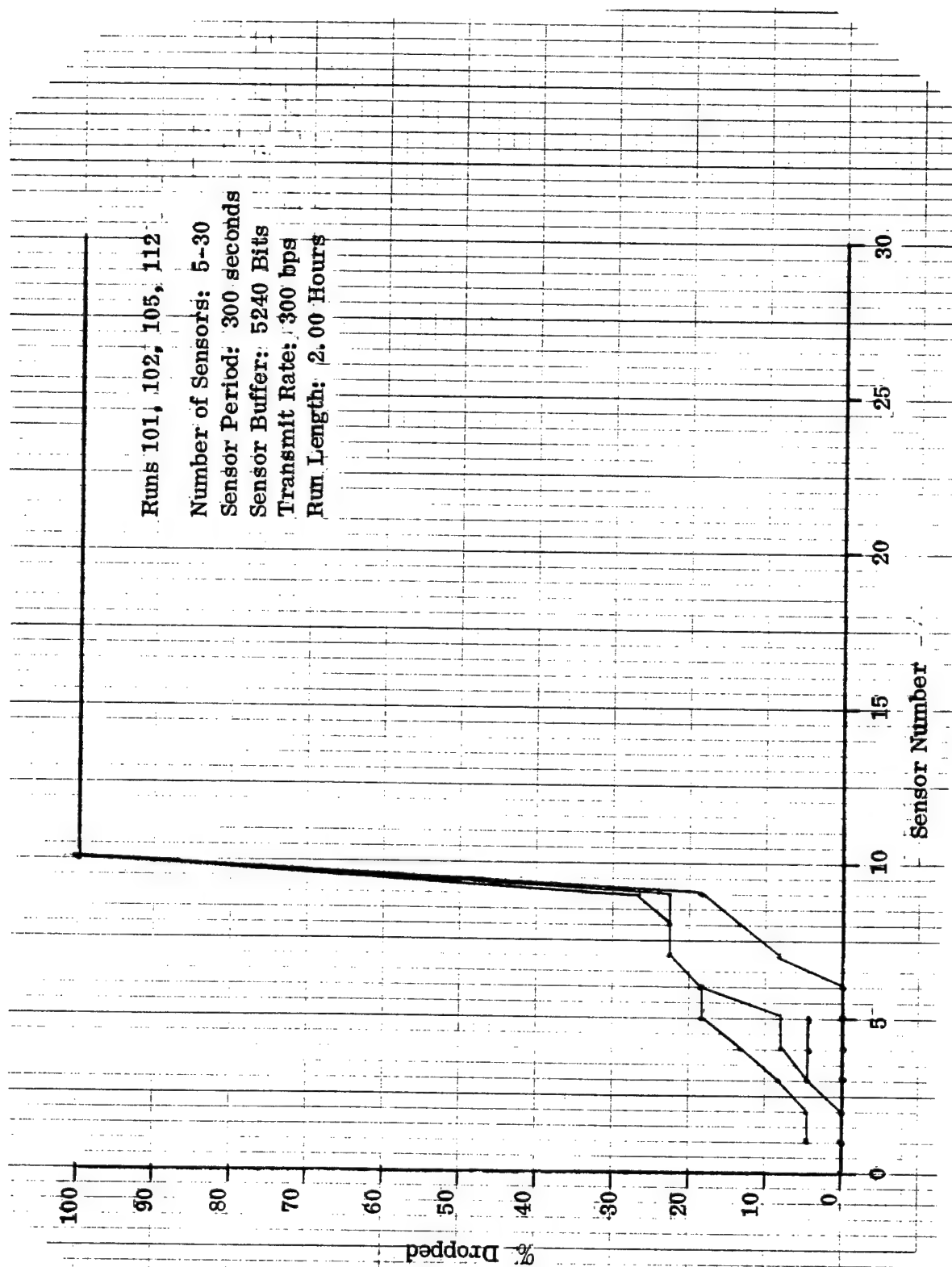
Figure 3-1. Percentage of Messages Dropped vs. Sensor Number: 100 Series, 300-Second, 5240-Bit Buffer at 300 bps

The figure contains the following annotations:

Runs 101, 102, 105, 112

Number of Sensors: 5-30
Sensor Period: 300 seconds
Sensor Buffer: 5240 Bits
Transmit Rate: 300 bps
Run Length: 2.00 Hours

Y-axis: % Dropped
X-axis: Sensor Number
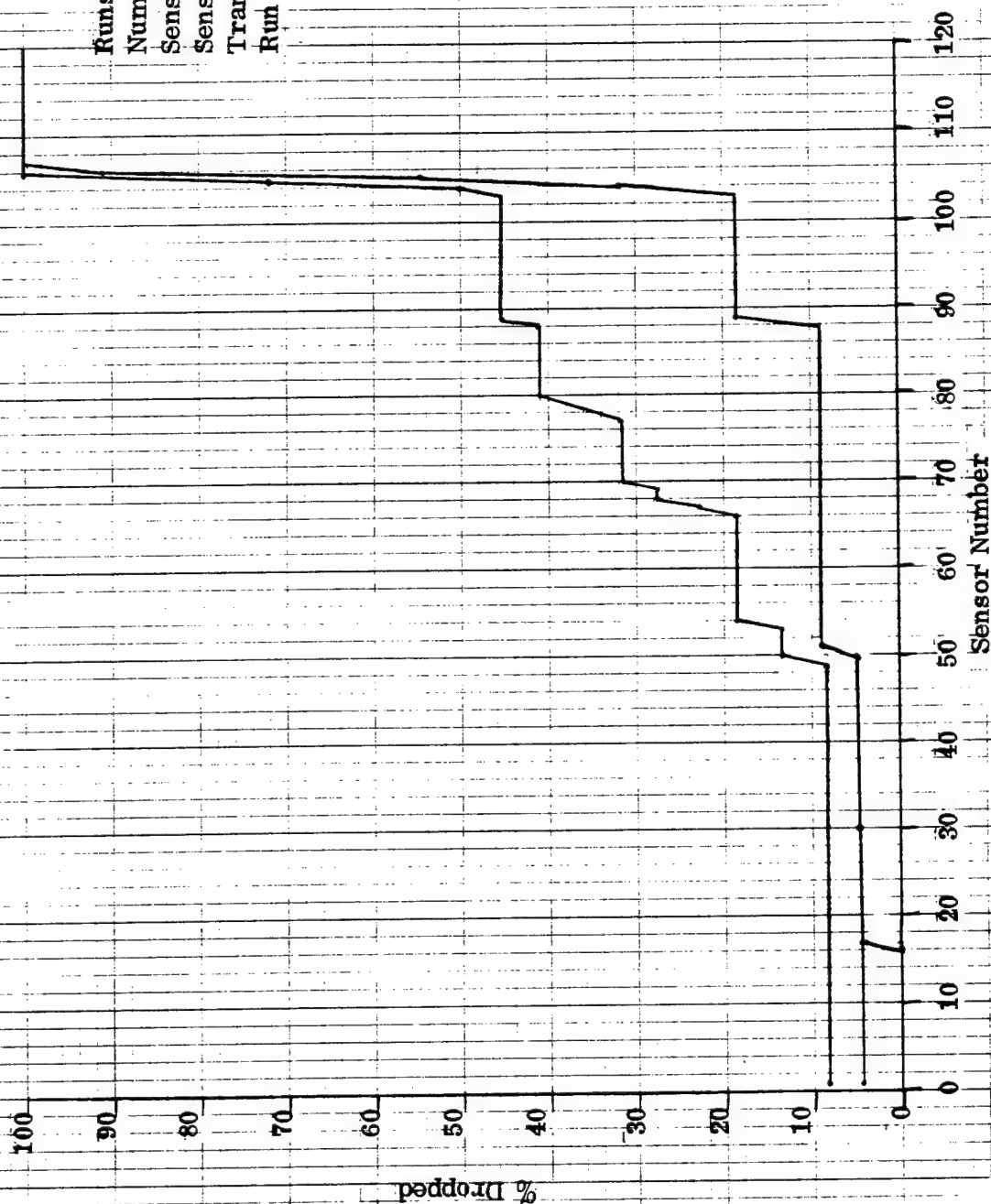
Figure 3-2. Percentage of Messages Dropped vs. Sensor Number:
100 Series, 300-Second, 5240 - Bit Buffer at 2400 bps

Runs 125, 128, 138
Number of Sensors: 30-120
Sensor Period: 300 Seconds
Sensor Buffer: 5240 Bits
Transmit Rate: 2400 bps
Run Length: 2.00 Hours

% Dropped

Sensor Number

Runs 161, 162, 172
Number of Sensors: 5-10
Sensor Period: 30 Seconds
Sensor Buffer: 10,240 Bits
Transmit Rate: 2400 bps
Run Length: 2.00 Hours
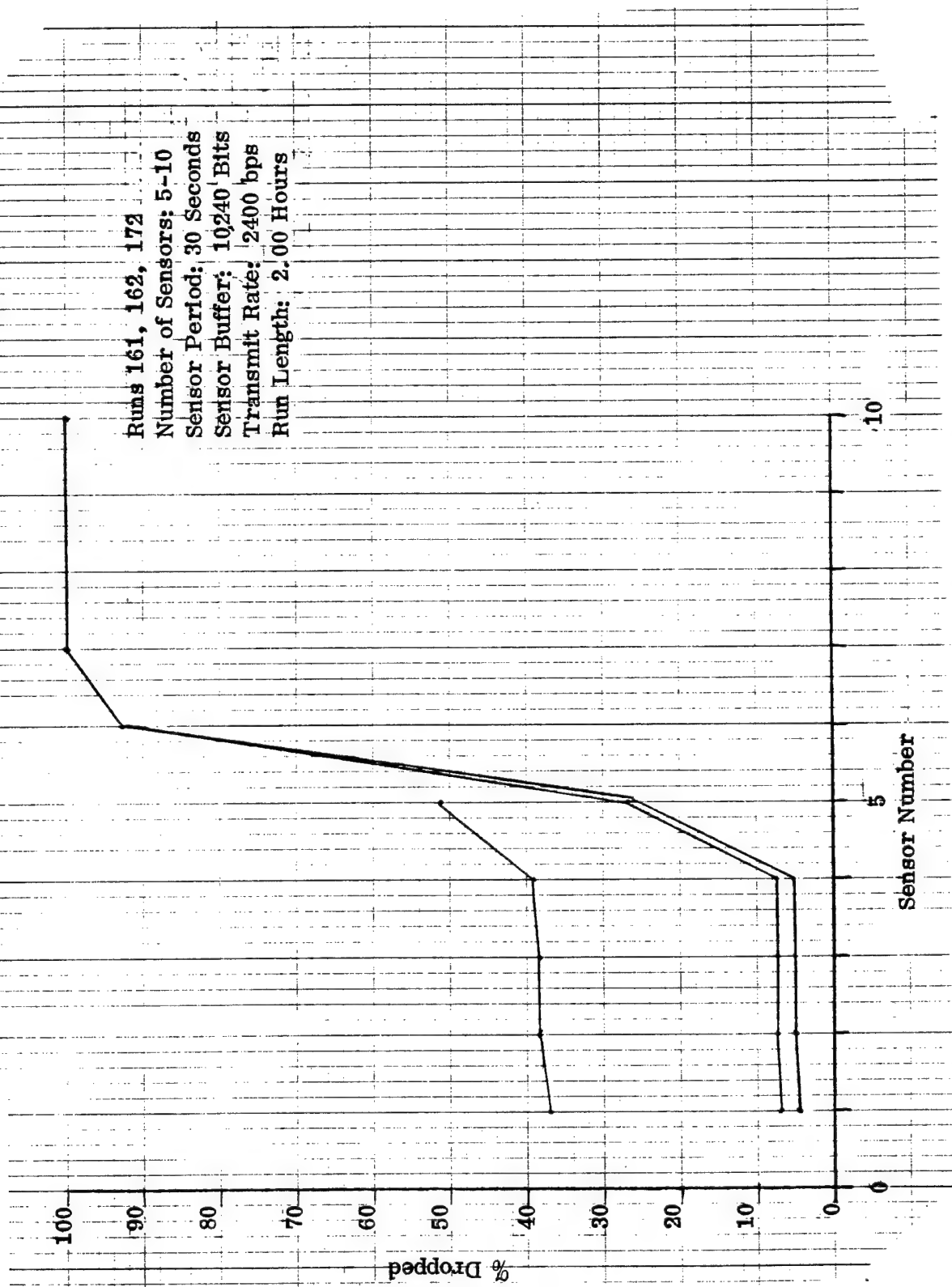
Figure 3-3. Percentage of Messages Dropped vs. Sensor Number:
100 Series, 30-Second, 10,240-Bit Buffer at 2400 bps
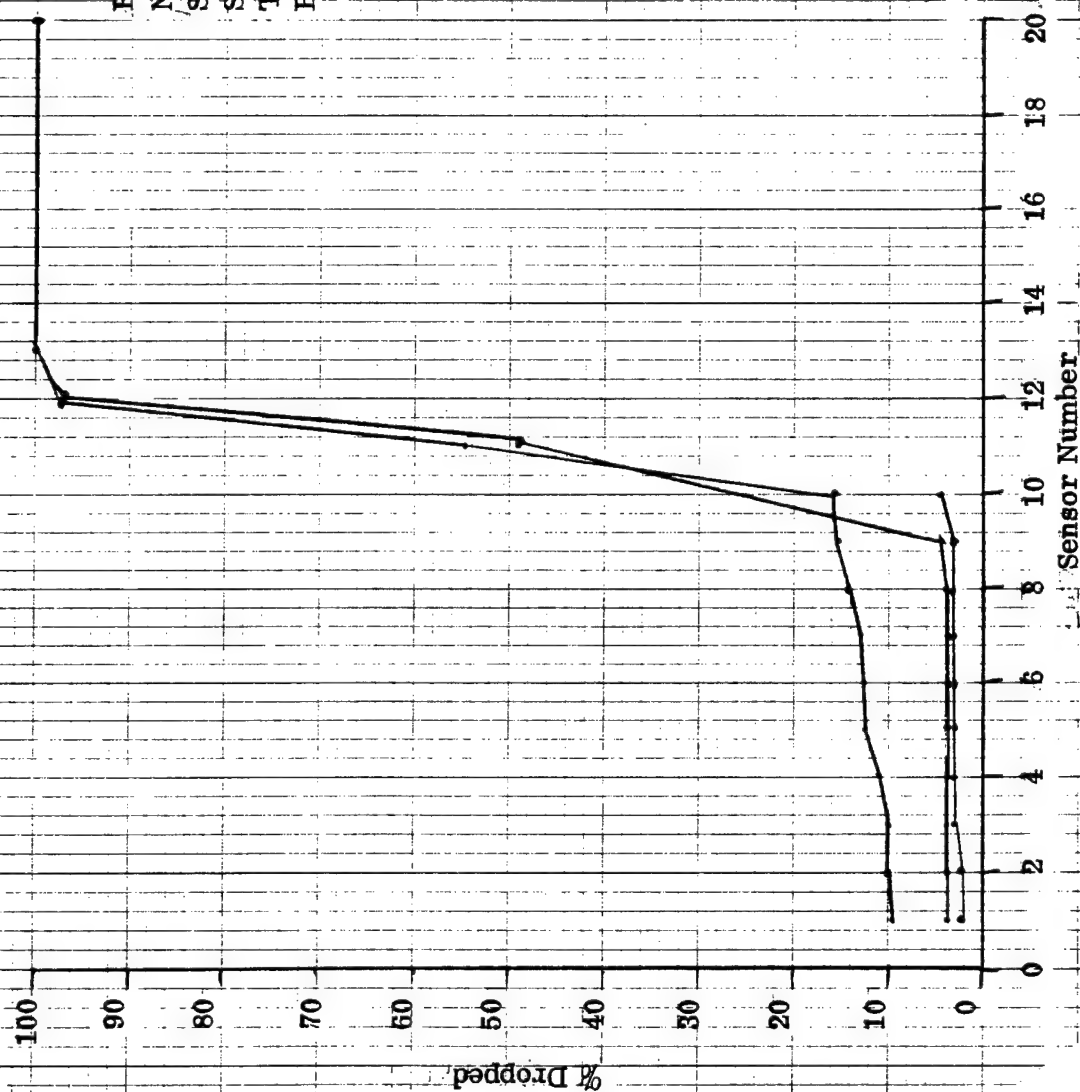
Figure 3-4. Percentage of Messages Dropped vs. Sensor Number:
100 Series, 30-Second, 10,240-Bit Buffer at 4800 bps

Runs 182, 184, 194
Number of Sensors: 10-20
Sensor Period: 30 Seconds
Sensor Buffer: 10,240 Bits
Transmit Rate: 4800 bps
Run Length: 2.00 Hours

% Dropped

Sensor Number

### 3.2.2  Dumb Sensors, Linear Polling, Even-Interval Turn On (200 Series)

The primary difference between the 100 and 200 series runs is that the
effects of link saturation are spread over all the sensors, rather than being con-
centrated in the higher numbered runs.  This situation exists because the 200
series runs were made with the sensors turning on one after another.  Their
cycles are staggered; they do not all lose data at once.  The overall percentage
of dropped data does not appear to vary significantly between the even-interval
turn on and the simultaneous turn on strategies.  There are, of course, varia-
tions between individual corresponding runs.  For example, run 212 corresponds
to run 112, but has 10 percent fewer dropped messages, while run 284, corres-
ponding to run 184, has 14 percent more dropped messages.  Over runs 201
through 294, the differences average out, and the overall difference between the
100 and 200 series runs is only about 0.4 percent.

Figure 3-5 shows the average percentage dropped versus the number of
sensors for each run in the 200 series.  The dotted lines identify groups of runs
with the same sensor period, buffer length, and transmission rate.  The groups
show the increase in percentage of data lost as the number of sensors is in-
creased.  The run numbers are printed next to each point.  It should be noted
that run 241, with the 30-second period, 10,240-bit buffer, and transmission
rate of 300 bps, drops 100 percent of the messages, just as the corresponding
100 series run, run 141, did.

### 3.2.3  Dumb Sensors, Group Polling, Even-Interval Turn On (300 Series)

The only difference between the 200 and 300 series runs is the polling
strategy.  The group polling strategy reduces the time spent in polling, which
in turn should reduce the percentage of dropped messages.  However, since
the polls are short compared to the data transmission, the reduction should
not be large.  In fact, comparing the overall 200 series to the overall 300
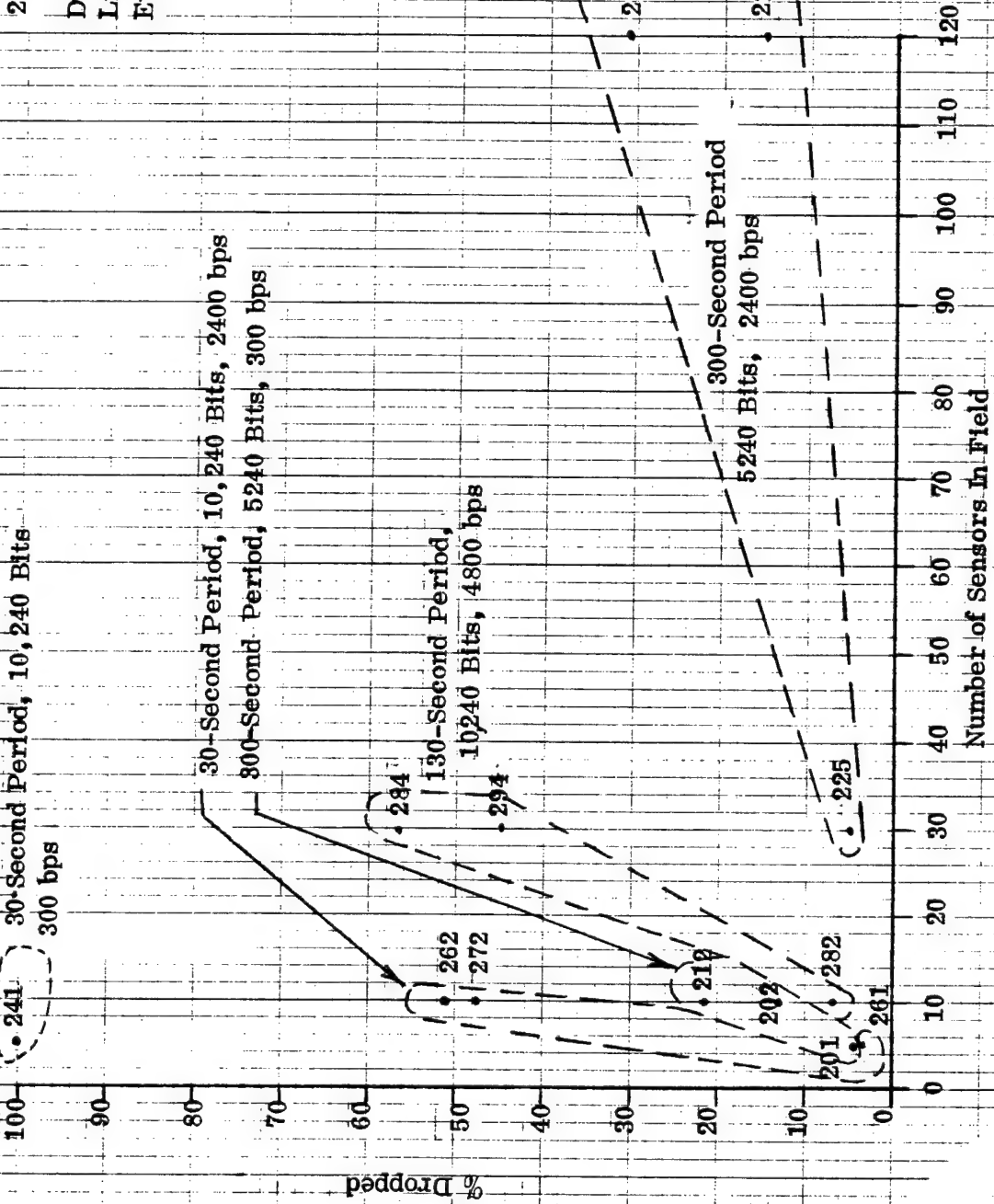
Figure 3-5. Percentage of Messages Dropped vs. Sensor Field Size:
Dumb Sensors, Linear Polling, and Even-Interval Turn On

3-10

series runs, the 300 series runs drop 6.8 percent fewer messages. As before, the run with the 30-second period, 10,240-bit buffer, and transmission rate of 300 bps, run 341, drops all messages.

### 3.2.4 Dumb Sensors, Group Polling, Simultaneous Turn On (400 Series)

The 400 series and the 100 series are related the same way as the 300 series and 200 series are. That is, the conditions are the same except that the 400 series has group polling, and the 100 series has linear polling. On the average, the 400 series runs show 16.8 percent fewer messages dropped than the 100 series runs. In addition, since the 400 series runs have the simultaneous turn on strategy, the saturation of the link is visible as a function of the sensor number, just as it was in the 100 series runs. Figures 3-6 through 3-9 show the number of dropped messages plotted against the sensor number for the 400 series of runs. Comparing these figures to Figures 3-1 through 3-4 shows the advantage of group polling over linear polling. Figures 3-6 and 3-1 both show saturation occurring around the tenth sensor, but Figure 3-6, with group polling, has a slightly lower overall percentage of lost messages. Figure 3-7 has a distinctly lower percentage of lost messages than Figure 3-2, as well as a higher saturation point. In Figure 3-2 (linear polling), saturation occurs around sensor number 106 or 107. In Figure 3-7 (group polling), saturation is not reached by the 120th sensor. Comparing Figures 3-3 and 3-8, saturation occurs at the same point, but the group polling runs (Figure 3-9) drop fewer messages before saturation is reached. Finally, Figure 3-9 (group polling), shows a higher saturation point than does Figure 3-4 (linear polling), despite the fact that one run in Figure 3-9 does poorly in terms of messages dropped. The reason for this discrepancy is that run 482 lost the link more often than would be expected. This sort of variation is expected in a Monte Carlo model — that is, if it can happen in the field from time to time, it will also happen in the simulation from time to time.

Runs 401, 402, 412
Number of Sensors: 5-10
Sensor Period: 300 Second
Sensor Buffer: 5240 Bits
Transmit Rate: 300 bps
Run Length: 2.00 Hours

Sensor Number
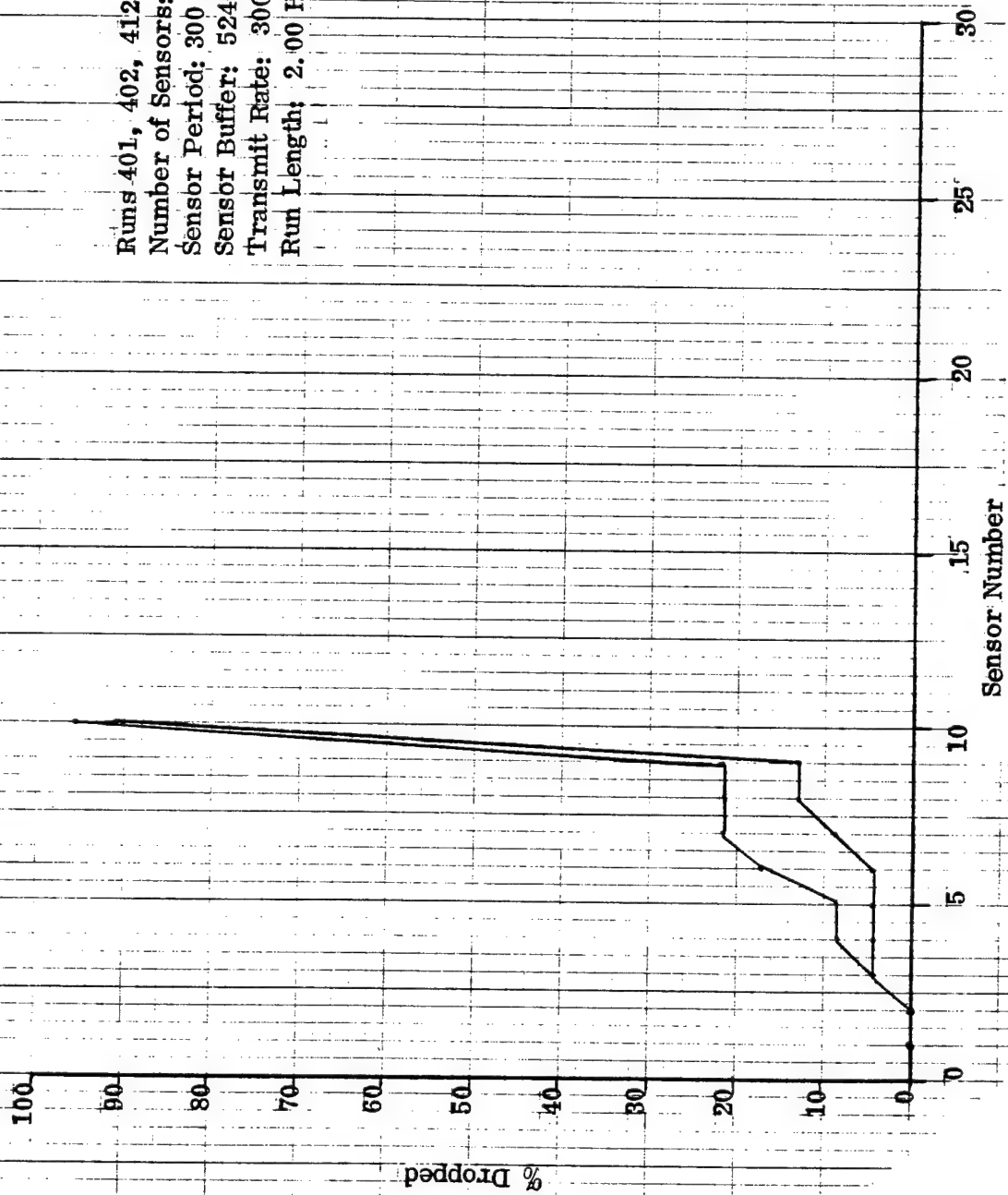
% Dropped

Figure 3-6. Percentage of Messages Dropped vs. Sensor Number: 400 Series, 300-Second, 5240-Bit Buffer at 2400 bps

Figure 3-7. Percentage of Messages Dropped vs. Sensor Number:
400 Series, 300-Second, 5240-Bit Buffer at 2400 bps

Runs 425, 428, 438
Number of Sensors: 30-120
Sensor Period: 300 Seconds
Sensor Buffer: 5240 Bits
Transmit Rate: 2400 bps
Run Length: 2.00 Hours

% Dropped

Sensor Number

3-13
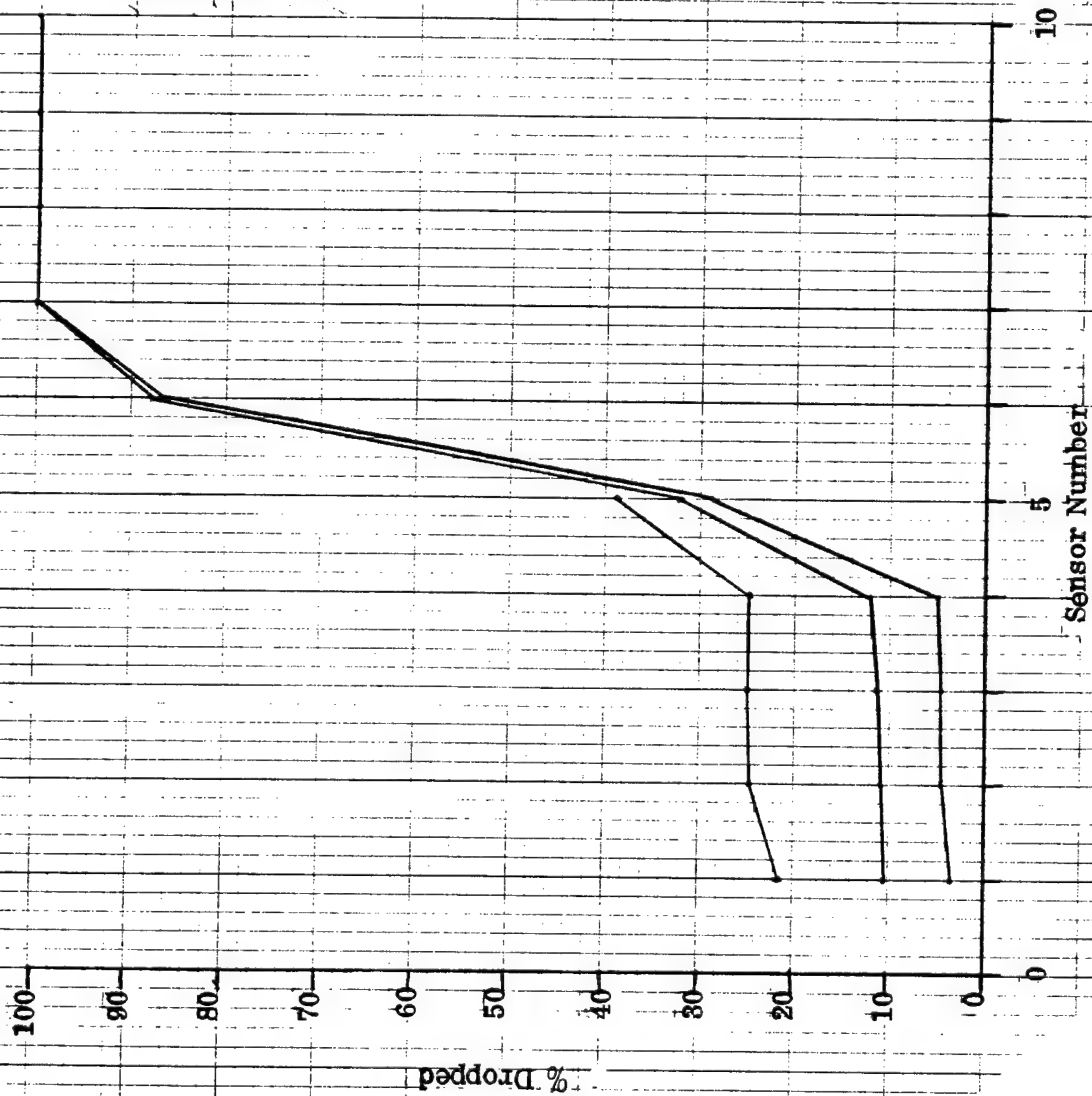
Figure 3-8. Percentage of Messages Dropped vs. Sensor Number:
400 Series, 30-Second, 10,240-Bit Buffer at 2400 bps

Figure 3-9. Percentage of Messages Dropped vs. Sensor Number: 400 Series, 30-Second, 10,240-Bit Buffer at 4800 bps

The figure contains the following annotations:

Runs 482, 484, 494
Number of Sensors: 10-20
Sensor Period: 30 Seconds
Sensor Buffer: 10,240 bps
Run Length: 2.00 Hours

Y-axis: % Dropped
X-axis: Sensor Number

### 3.2.5 Intelligent Sensors, Linear Polling, Simultaneous Turn On (1100-1300 Series)

These three series of runs simulate the behavior of the system if the sensors are capable of determining whether they have useful data. If they do have useful data, the sensors transmit their buffers when polled. If not, the sensors transmit only short status messages, in order that the poller can move on to the next sensor more quickly. This has the potential to save a great deal of link time if the probability of the sensors having data is significantly less than unity. This probability (called probability of detection), is set to 0.5 for the 1100 series, to 0.9 for the 1200 series, and to 0.1 for the 1300 series.

The intelligent sensor runs all do significantly better than the equivalent runs with dumb sensors. The 1200 series runs, with a 90-percent probability of detection, drop 21.9 percent fewer messages on the average than the corresponding 100 series runs. The 1100 series, with a 50-percent probability of detection, drop 60.1 percent fewer messages. The 1300 series runs, with a 10-percent probability of detection, drop 72.7 percent fewer messages. Table 3-3 compares the 1100, 1200, and 1300 series runs to the 100 series runs.

The fact that a smaller benefit is derived by going from a 50- to a 10-percent probability of detection than by going from 90 percent to 50 percent suggests that something is limiting the benefits which can be realized through the application of intelligent sensors. In fact, this is the case. With dumb sensors, saturation of the link is the primary problem as the size of the sensor field is increased. Intelligent sensors help to reduce the effects of link saturation, but can do nothing to prevent a competing user from taking away the link at random intervals. (Nor can it help in the case of runs 1141, 1241, and 1341. These runs are made with the 30-second, 10,240-bit buffer at 300 bps. A single message saturates the link under these circumstances, so that no message gets through, intelligent sensor or not.)

TABLE 3-3. COMPARISON OF DROPPED MESSAGES IN 100 SERIES RUNS TO 1100–1300 SERIES RUNS

| RUN | % DROPPED, 100 SERIES | % DROPPED, 1100 SERIES | %* IMPROVED | % DROPPED, 1200 SERIES | %* IMPROVED | % DROPPED, 1300 SERIES | %* IMPROVED |
|-----|-----------------------|------------------------|-------------|------------------------|-------------|------------------------|-------------|
| 01 | 2.7 | 0.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 02 | 20.5 | 3.7 | 82.0 | 11.6 | 43.4 | 0.0 | 100.0 |
| 12 | 24.1 | 15.3 | 36.5 | 10.8 | 55.2 | 0.0 | 100.0 |
| 25 | 4.5 | 0.0 | 100.0 | 5.7 | -21.1 | 0.0 | 100.0 |
| 28 | 19.6 | 4.6 | 76.5 | 16.7 | 14.8 | 0.0 | 100.0 |
| 38 | 31.9 | 0.0 | 100.0 | 7.1 | 77.7 | 11.2 | 64.9 |
| 41 | 100.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 0.0 |
| 61 | 40.8 | 6.2 | 84.8 | 19.5 | 52.2 | 5.7 | 86.0 |
| 62 | 54.9 | 17.5 | 68.1 | 52.4 | 4.6 | 4.3 | 92.2 |
| 72 | 53.9 | 18.6 | 65.5 | 47.0 | 12.8 | 0.0 | 100.0 |
| 82 | 2.9 | 9.6 | -69.8 | 6.2 | -53.2 | 15.0 | -80.7 |
| 84 | 49.3 | 14.0 | 71.6 | 52.4 | -5.9 | 6.2 | 87.4 |
| 94 | 53.3 | 18.4 | 65.5 | 50.8 | 4.7 | 2.5 | 95.3 |
| Average | — | | 60.1 | | 21.9 | | 72.7 |

*Relative to corresponding 100 series run.

It should also be noted that the intelligent sensors, since they may or may not lose data when they are not polled each period, do not exhibit the same saturation curves shown in Figures 3-1 to 3-4 and 3-6 to 3-9. It is for this reason that these curves are not drawn up for the intelligent sensors, even though the simultaneous turn on strategy is used.

### 3.2.6  Intelligent Sensors, Linear Polling, Even-Interval Turn On (1400-1600 Series)

The 1400 through 1600 series runs correspond to the 1100 through 1300 series, except that the former use the even-interval turn on strategy, while the latter use simultaneous turn on. Run 1400 uses a probability of detection of 0.5, run 1500 uses 0.1, and run 1600 uses 0.9. Table 3-4 compares the 1400, 1500, and 1600 series runs to the 400 series runs. The 400 series runs correspond to the 1400 through 1600 series, except that the 400 series has dumb sensors.

The 1600 series, with a probability of detection of 0.9, shows an improvement over the 400 series of 22.3 percent. This is consistent with the results found in the simultaneous turn on comparison, where the 1200 series showed a 21.9-percent improvement over the 100 series. The 1400 series runs, with a probability of detection of 0.5, shows a 42.2-percent improvement over the 400 series, while the corresponding simultaneous turn on series (1100) showed a 60.1-percent improvement over the 100 series. Similarly, the 1500 series, with a probability of detection of 0.1, showed a 52.3-percent improvement over the 400 series, while the 1300 series showed a 72.7-percent improvement over the 100 series.

These results indicate that going to intelligent sensors helped less with the even-interval turn on than it did with the simultaneous turn on, at least for the lower probabilities of detection. The difference is not large, especially considering the random nature of the model, and is due primarily to the effects of

TABLE 3-4. COMPARISON OF DROPPED MESSAGES IN 400 SERIES RUNS TO 1400-1600 SERIES RUNS

| RUN | % DROPPED, 400 SERIES | % DROPPED, 1400 SERIES | %* IMPROVED | % DROPPED, 1500 SERIES | %* IMPROVED | % DROPPED, 1600 SERIES | %* IMPROVED |
|---|---|---|---|---|---|---|---|
| 01 | 2.6 | 8.3 | -68.7 | 0.0 | 100.0 | 3.0 | -13.3 |
| 02 | 14.0 | 9.7 | 30.7 | 9.1 | 35.0 | 4.2 | 70.0 |
| 12 | 20.0 | 6.5 | 67.5 | 0.0 | 100.0 | 4.5 | 77.5 |
| 25 | 0.0 | 4.3 | -100.0 | 11.1 | -100.0 | 4.5 | -100.0 |
| 28 | 14.2 | 4.1 | 71.1 | 7.9 | 44.4 | 11.2 | 21.1 |
| 38 | 6.9 | 4.5 | 34.8 | 7.3 | -5.5 | 10.2 | -32.4 |
| 41 | 100.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 0.0 |
| 61 | 27.0 | 0.7 | 97.4 | 7.1 | 73.7 | 2.7 | 90.0 |
| 62 | 52.7 | 7.8 | 85.2 | 13.1 | 75.1 | 36.9 | 30.0 |
| 72 | 56.4 | 1.5 | 97.3 | 6.1 | 89.2 | 42.1 | 25.4 |
| 82 | 38.1 | 10.8 | 71.7 | 4.1 | 89.2 | 1.5 | 96.1 |
| 84 | 46.4 | 6.0 | 87.1 | 9.2 | 80.2 | 40.8 | 12.1 |
| 94 | 46.1 | 11.8 | 74.4 | 0.9 | 98.0 | 40.1 | 13.0 |
| Average | — | | 42.2 | | 52.3 | | 22.3 |

*Relative to corresponding 400 series runs.

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run 425. This run never lost the link in the time slots, and therefore lost no messages. Because there was no similar "lucky" run in the 100 series, the even-interval turn on runs do not show as much of a difference between dumb and intelligent sensors as do the simultaneous turn on runs.

### 3.2.7 Intelligent Sensors, Linear Polling, Even-Interval Turn On, Poll at 300 bps (1700-1900 Series)

All previous runs assumed a 240-bit poll transmitted at the same rate as the sensors transmitted their data. The 1700 through 1900 series runs were made to determine the effect of requiring the poll to be transmitted at 300 bps, regardless of the sensor data transmission rate. The 1700 through 1900 series correspond exactly to the 1100 through 1300 series, except that the poll is always at 300 bps. Table 3-5 summarizes the effects of this change.

Since the sensor transmission rate is usually faster than 300 bps, the 300-bps poll will generally cut down the overall data rate, which should increase the percentage of dropped messages. Table 2-3 shows that this is indeed the case.

The table shows that the 300-bps poll increases the dropped messages by 16.0 percent to 45.5 percent, depending on the series. It should be noted that in many cases, the amount of data actually dropped by either series is low (less than 10 percent), but the percentage difference is high. In other words, if one run drops no messages, it is 100 percent better than another run, whether the other run drops 1 percent or 99 percent of its messages.

### 3.2.8 Intelligent Sensors, Sensor Contention, Even-Interval Turn On, 300-bps Poll, With a Probability of Detection of 0.1 (2100, 2200 Series)

The 2100 and 2200 series of runs were made to evaluate the performance of sensor contention polling. The 2100 series runs assumed 5 answer slots, while the 2200 series assumed 10. The 1900 series is the same as these series except that the 1900 series uses linear polling, rather than sensor contention. Table 3-6 compares the 2100 and 2200 series runs to the 1900 series.

TABLE 3-5.  EFFECT OF RESTRICTING POLL SPEED TO 300 bps

| RUN | 1100 | 1700 | Δ%* | 1200 | 1800 | Δ%* | 1300 | 1900 | Δ%* |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 0.0 | 8.3 | -100.0 | 0.0 | 7.6 | -100.0 | 0.0 | 50.0 | -100.0 |
| 02 | 3.7 | 9.7 | -61.9 | 11.6 | 7.6 | 34.5 | 0.0 | 0.0 | 0.0 |
| 12 | 15.3 | 6.5 | 57.5 | 10.8 | 4.2 | 61.1 | 0.0 | 12.5 | -100.0 |
| 25 | 0.0 | 4.1 | -100.0 | 5.7 | 5.5 | 3.5 | 0.0 | 16.3 | -100.0 |
| 28 | 4.6 | 11.9 | -61.3 | 16.7 | 33.4 | -50.0 | 0.0 | 5.2 | -100.0 |
| 38 | 0.0 | 21.0 | -100.0 | 7.1 | 31.6 | -77.5 | 11.2 | 4.8 | 57.1 |
| 41 | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 | 0.0 |
| 61 | 6.2 | 22.7 | -72.7 | 19.5 | 13.8 | 29.2 | 5.7 | 1.0 | 82.5 |
| 62 | 17.5 | 22.0 | -20.5 | 52.4 | 51.9 | 1.0 | 4.3 | 0.0 | 100.0 |
| 72 | 18.6 | 29.7 | -37.4 | 47.0 | 52.3 | -10.1 | 0.0 | 8.8 | -100.0 |
| 82 | 9.6 | 5.2 | 45.8 | 6.2 | 21.7 | -71.4 | 15.0 | 4.9 | 67.3 |
| 84 | 14.0 | 54.6 | -74.4 | 52.4 | 58.9 | -11.0 | 6.2 | 70.3 | -91.2 |
| 94 | 18.4 | 55.6 | -66.9 | 50.8 | 61.5 | -17.4 | 2.5 | 68.2 | -96.3 |
| Average | — | — | -45.5 | — | — | -16.0 | — | — | -29.3 |

*Positive indicates 300 bps did better, negative indicates 300 bps did worse.

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TABLE 3-6. COMPARISON OF SENSOR CONTENTION TO LINEAR POLLING
FOR PROBABILITY OF DETECTION OF 0.1

| RUN | 1900 | 2100 | 2200 | Δ%* 1900 vs 2100 | Δ%* 1900 vs 2200 |
|---|---|---|---|---|---|
| 01 | 50.0 | 44.4 | 44.4 | 11.2 | 11.2 |
| 02 | 0.0 | 47.4 | 45.4 | -100.0 | -100.0 |
| 12 | 12.5 | 50.0 | 46.9 | -75.0 | -73.3 |
| 25 | 16.3 | 45.5 | 47.7 | -64.2 | -65.8 |
| 28 | 5.2 | 46.5 | 46.9 | -88.8 | -88.9 |
| 38 | 4.8 | 48.3 | 46.2 | -90.1 | -89.6 |
| 41 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 |
| 61 | 1.0 | 47.8 | 48.0 | -97.9 | -97.9 |
| 62 | 0.0 | 50.8 | 50.6 | -100.0 | -100.0 |
| 72 | 8.8 | 50.1 | 49.2 | -82.4 | -82.1 |
| 82 | 4.9 | 48.0 | 50.4 | -89.8 | -90.3 |
| 84 | 70.3 | 52.5 | 50.2 | 25.3 | 28.6 |
| 94 | 68.2 | 50.1 | 48.6 | 26.5 | 28.7 |
| Average | —— | —— | —— | -55.8 | -55.4 |

*Positive indicates better with sensor contention, negative indicates better with linear polling.

Table 3-6 indicates that the sensor contention polling scheme generally drops much more data than does the linear polling scheme. This is probably due to the additional time required for the answer slots and to conflicts between sensors in the answer slots. Raising the number of answer slots from 5 to 10 does not make a large difference, because the reduction in conflicts is offset by the increase in time.

There were two situations, however, where the sensor contention scheme did better than the linear polling scheme. The first situation involved runs 2101 and 2201, which both did better than run 1901. This is due to the random nature

of the simulation. Runs 1902 and 1912 also did better than 1901, even though they had more sensors. The second situation involved very high-speed data transmission (4800 bps). In this situation, the additional time required for the answer slots was minimized, and the propagation delay required for multiple individual (linear) polls became large compared to the time required for a single set of contention slots with only one propagation delay. This phenomenon is evident in runs 2184 and 2284, which both do better than run 1984, and runs 2194 and 2294, which both do better than run 1994. All six of these runs use 4800-bps sensor data transmission, with 20 sensors.

### 3.2.9 Intelligent Sensors, Sensor Contention, Even-Interval Turn On, 300-bps Poll, With a Probability of Detection of 0.5 (2300 Series)

The 2300 series is identical to the 2200 series except that the probability of detection is 0.5. The 2300 series should be compared to the 1900 series (linear polling), just as the 2200 series was. Table 3-7 shows the results of this comparison.

In every instance (except, of course, run 1741 versus run 2341, where all messages are dropped), the linear polling scheme outperforms sensor contention. The margin is fairly large, and leaves little doubt that sensor contention should not be considered if the probability of detection is as high as 0.5.

TABLE 3-7.  COMPARISON OF SENSOR CONTENTION TO LINEAR POLLING
FOR A PROBABILITY OF DETECTION OF 0.5

| RUN | 1700 | 2300 | △%* |
|---|---|---|---|
| 01 | 8.3 | 37.0 | -77.6 |
| 02 | 9.7 | 34.9 | -72.2 |
| 12 | 6.5 | 35.2 | -81.5 |
| 25 | 4.1 | 33.7 | -87.8 |
| 28 | 11.9 | 83.4 | -85.7 |
| 38 | 21.0 | 84.6 | -75.2 |
| 41 | 100.0 | 100.0 | 0.0 |
| 61 | 22.7 | 37.1 | -38.8 |
| 62 | 22.0 | 49.2 | -55.3 |
| 72 | 29.7 | 54.7 | -45.7 |
| 82 | 5.2 | 38.3 | -86.4 |
| 84 | 54.6 | 62.2 | -12.2 |
| 94 | 55.6 | 59.8 | -7.0 |
| Average | — | — | -55.8 |

*Positive = better with sensor contention, negative = better with
linear polling.

# SECTION 4
## CONCLUSIONS

This report considers the performance of various data transmission schemes for a number of sensors connected to a single poller over a given multi-user multiplexed data link. A Monte-Carlo computer simulation has been written to provide the data for this analysis. The link is taken from the sensors and poller at random intervals by a competing user. When the sensors and poller control the link, they are free to use whatever protocol they wish. They also may use various transmission rates.

The measure of the link's performance is the percentage of messages dropped by the sensors when the poller is unable to interrogate them. The effects of one parameter have been studied by varying that parameter while holding the others constant.

The primary causes of dropped messages are link saturation and the loss of the link to the competing user. Transmission speed, sensor buffer length, and sensor period have an approximately linear effect on link saturation. Link saturation was measured by observing how many sensors could be put in the field before the amount of data transmitted over the link stops increasing as new sensors are added.

One combination of transmission speed, sensor buffer length, and sensor period has proved to be completely unworkable. When the 10,240-bit buffer, updated at 30-second intervals, is combined with the 300 bps transmission rate, all messages are always dropped, because 34.1 seconds are required to transmit 10,240-bits at 300 bps. Since this is 30 seconds worth of data, the link is saturated even if there is only one sensor. In addition, the link is only available for 30 seconds at a time, so even the first message can never be transmitted.

## 4.1 DUMB SENSORS

With dumb sensors, there is no significant difference between the simultaneous and the even-interval turn on philosophy in terms of the average percentage of data lost. However, the simultaneous turn on strategy assigns higher priorities to the lowest numbered sensors, whereas the even-interval strategy effectively assigns priority evenly across all sensors. The latter allows a larger sensor field if a higher data loss rate can be tolerated. In the simultaneous turn on strategy, sensors added to an already saturated link are never polled. Shown in Table 4-1 is the largest field before saturation occurs for different combinations of buffer length, sensor period, and transmission rate.

The use of group polling slightly increases the number of sensors which can be put in the field before saturation occurs. The relationship between the simultaneous and even-interval turn on strategies is the same as with linear polling. The largest field before saturation occurs with group polling for the combinations of buffer length, sensor period, and transmission rate shown in Table 4-2.

TABLE 4-1. SATURATION SENSOR FIELD SIZES FOR
DUMB SENSORS WITH LINEAR POLLING

| TRANSMIT RATE (bps) | SENSOR PERIOD (sec) | BUFFER SIZE (bits) | MAXIMUM NUMBER OF SENSORS |
|---|---|---|---|
| 300 | 300 | 5,240 | 9 |
| 2400 | 300 | 5,240 | 103-104 |
| 300 | 30 | 10,240 | 0 |
| 2400 | 30 | 10,240 | 6 |
| 4800 | 30 | 10,240 | 12 |

TABLE 4-2.  SATURATION SENSOR FIELD SIZES FOR
DUMB SENSORS WITH GROUP POLLING

| TRANSMIT RATE (bps) | SENSOR PERIOD (sec) | BUFFER SIZE (bits) | MAXIMUM NUMBER OF SENSORS |
|---|---|---|---|
| 300 | 300 | 5,240 | 9 |
| 2400 | 300 | 5,240 | >120 |
| 300 | 30 | 10,240 | 0 |
| 2400 | 30 | 10,240 | 6 |
| 4800 | 30 | 10,240 | 13 |

## 4.2  INTELLIGENT SENSORS

The use of intelligent sensors dramatically improves the performance of
the link.  Intelligent sensors are assumed to be capable of analyzing their data
and determining whether or not the data will be useful to the poller.  If they are,
they will be transmitted when the sensor is polled.  If not, then only a short
(240-bit) status message is transmitted.  This reduces the link's data load and
increases the number of sensors which can be placed in the field before satura-
tion occurs.  At the same time, the onset of saturation is virtually impossible
to detect.  This is because the random nature of the sensors' detections causes
a varying load on the link.  As more sensors are added, the link drifts in and
out of saturation, depending on how many sensors have data at a given time.
Thus, there is no point at which the amount of data lost suddenly increases.

The use of intelligent sensors does not reduce the effects of the loss of the
link to a competing user.  Thus, a certain amount of data will always be lost.
This is evident when considering the reduction of lost data as a function of the
probability of useful data (or probability of detection).  When the probability of
detection is 0.9, the intelligent sensors do about 22 percent better than the dumb
sensors (1200 series runs versus 100 series runs, and 1600 series runs versus

400 series runs). When the probability of detection is 0.5, the intelligent sensors do 40 to 60 percent better (1100 series versus 100 series, and 1400 series versus 400 series). On the other hand, when the probability of detection is 0.1, the intelligent sensors do only 50 to 70 percent better than the dumb sensors (1300 series versus 100 series, and 1500 series versus 100 series). A much greater improvement is shown as the probability of detection drops from 0.9 to 0.5 than is shown when the probability drops from 0.5 to 0.1. This suggests that link saturation is becoming less of a consideration as the effects of the loss of the link to the competitor become more apparent.

The 1700, 1800, and 1900 series were run to evaluate the effects of requiring the poll to be sent at 300 bps rather than at the same speed at which the sensors transmitted their buffers. This obviously places a greater load on the link, and it should result in more lost messages. This is in fact the case as the 1700 through 1900 series drop 16 to 46 percent more data than the corresponding series with the faster polls (1100 through 1300). Even with the 300 bps polling rate, however, the intelligent sensors outperformed the dumb sensors with the faster poll.

## 4.3 SENSOR CONTENTION POLLING WITH INTELLIGENT SENSORS

Finally, sensor contention polling was considered. In this scheme, the poller sends out a request for the sensors to indicate whether they have data. The sensors have a number of answer time slots in which to reply if they have data. Each sensor with data picks a slot at random and sends a message asking to be polled. The poller then sends one group poll identifying the sensors which are to respond. The sensors with data then send them one after another.

For this scheme to save time, two things are necessary. First, the sensors must have a low probability of detection, to avoid conflicts between sensors in the answer time slots. Second, there should be a large number of sensors, so the answer slots would take up less time than individual polls would.

In effect, sensor contention could theoretically combine the benefits of intelligent sensors and group polling.

However, sensor contention polling with intelligent sensors do about 55 percent worse than linear polling with intelligent sensors. With a probability of detection of 0.1, the linear polling does better than sensor contention in all runs except those involving 20 sensors with the 10,240-bit, 30-second buffer transmitting at 4800 bps; with a probability of detection of 0.5, the linear polling series does better in all cases.

## 4.4 OVERALL CONCLUSIONS

The most effective method of improving link performance is to use intelligent sensors. If dumb sensors must be used, group polling provides an advantage over linear polling. Sensor contention, given the constraints of the system, should probably not be considered at all.

Finally, if the large buffer (10,240-bits, 30-second period) is used, a speed faster than 300 bps must be used if any data are to be transferred.

APPENDIX

COMPUTER MODEL OUTPUT SHEETS

# TABLE OF CONTENTS

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 22 | 0 | 22 | 0.0000 |
| 2 | 22 | 0 | 22 | 0.0000 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 21 | 1 | 22 | 4.5455 |
| 5 | 21 | 1 | 22 | 4.5455 |
| TØTAL | 107 | 3 | 110 | 2.7273 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| --- | --- | --- | --- | --- |
| 1 | 22 | 0 | 22 | 0.0000 |
| 2 | 22 | 0 | 22 | 0.0000 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 20 | 2 | 22 | 9.0909 |
| 5 | 20 | 2 | 22 | 9.0909 |
| 6 | 18 | 4 | 22 | 18.1818 |
| 7 | 17 | 5 | 22 | 22.7273 |
| 8 | 17 | 5 | 22 | 22.7273 |
| 9 | 17 | 5 | 22 | 22.7273 |
| 10 | 1 | 21 | 22 | 95.4545 |
| TØTAL | 175 | 45 | 220 | 20.4545 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 21 | 1 | 22 | 4.5455 |
| 2 | 21 | 1 | 22 | 4.5455 |
| 3 | 20 | 2 | 22 | 9.0909 |
| 4 | 19 | 3 | 22 | 13.6364 |
| 5 | 18 | 4 | 22 | 18.1818 |
| 6 | 18 | 4 | 22 | 18.1818 |
| 7 | 17 | 5 | 22 | 22.7273 |
| 8 | 17 | 5 | 22 | 22.7273 |
| 9 | 16 | 6 | 22 | 27.2727 |
| 10 | 0 | 22 | 22 | 100.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 167 | 53 | 220 | 24.0909 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:       30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 21 | 1 | 22 | 4.5455 |
| 2 | 21 | 1 | 22 | 4.5455 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 21 | 1 | 22 | 4.5455 |
| 5 | 21 | 1 | 22 | 4.5455 |
| 6 | 21 | 1 | 22 | 4.5455 |
| 7 | 21 | 1 | 22 | 4.5455 |
| 8 | 21 | 1 | 22 | 4.5455 |
| 9 | 21 | 1 | 22 | 4.5455 |
| 10 | 21 | 1 | 22 | 4.5455 |
| 11 | 21 | 1 | 22 | 4.5455 |
| 12 | 21 | 1 | 22 | 4.5455 |
| 13 | 21 | 1 | 22 | 4.5455 |
| 14 | 21 | 1 | 22 | 4.5455 |
| 15 | 21 | 1 | 22 | 4.5455 |
| 16 | 21 | 1 | 22 | 4.5455 |
| 17 | 21 | 1 | 22 | 4.5455 |
| 18 | 21 | 1 | 22 | 4.5455 |
| 19 | 21 | 1 | 22 | 4.5455 |
| 20 | 21 | 1 | 22 | 4.5455 |
| 21 | 21 | 1 | 22 | 4.5455 |
| 22 | 21 | 1 | 22 | 4.5455 |
| 23 | 21 | 1 | 22 | 4.5455 |
| 24 | 21 | 1 | 22 | 4.5455 |
| 25 | 21 | 1 | 22 | 4.5455 |
| 26 | 21 | 1 | 22 | 4.5455 |
| 27 | 21 | 1 | 22 | 4.5455 |
| 28 | 21 | 1 | 22 | 4.5455 |
| 29 | 21 | 1 | 22 | 4.5455 |
| 30 | 21 | 1 | 22 | 4.5455 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 630 | 30 | 660 | 4.5455 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 22 | 0 | 22 | 0.0000 |
| 2  | 22 | 0 | 22 | 0.0000 |
| 3  | 22 | 0 | 22 | 0.0000 |
| 4  | 22 | 0 | 22 | 0.0000 |
| 5  | 22 | 0 | 22 | 0.0000 |
| 6  | 22 | 0 | 22 | 0.0000 |
| 7  | 22 | 0 | 22 | 0.0000 |
| 8  | 22 | 0 | 22 | 0.0000 |
| 9  | 22 | 0 | 22 | 0.0000 |
| 10 | 22 | 0 | 22 | 0.0000 |
| 11 | 22 | 0 | 22 | 0.0000 |
| 12 | 22 | 0 | 22 | 0.0000 |
| 13 | 22 | 0 | 22 | 0.0000 |
| 14 | 22 | 0 | 22 | 0.0000 |
| 15 | 22 | 0 | 22 | 0.0000 |
| 16 | 22 | 0 | 22 | 0.0000 |
| 17 | 21 | 1 | 22 | 4.5455 |
| 18 | 21 | 1 | 22 | 4.5455 |
| 19 | 21 | 1 | 22 | 4.5455 |
| 20 | 21 | 1 | 22 | 4.5455 |
| 21 | 21 | 1 | 22 | 4.5455 |
| 22 | 21 | 1 | 22 | 4.5455 |
| 23 | 21 | 1 | 22 | 4.5455 |
| 24 | 21 | 1 | 22 | 4.5455 |
| 25 | 21 | 1 | 22 | 4.5455 |
| 26 | 21 | 1 | 22 | 4.5455 |
| 27 | 21 | 1 | 22 | 4.5455 |
| 28 | 21 | 1 | 22 | 4.5455 |
| 29 | 21 | 1 | 22 | 4.5455 |
| 30 | 21 | 1 | 22 | 4.5455 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 31 | 21 | 1 | 22 | 4.5455 |
| 32 | 21 | 1 | 22 | 4.5455 |
| 33 | 21 | 1 | 22 | 4.5455 |
| 34 | 21 | 1 | 22 | 4.5455 |
| 35 | 21 | 1 | 22 | 4.5455 |
| 36 | 21 | 1 | 22 | 4.5455 |
| 37 | 21 | 1 | 22 | 4.5455 |
| 38 | 21 | 1 | 22 | 4.5455 |
| 39 | 21 | 1 | 22 | 4.5455 |
| 40 | 21 | 1 | 22 | 4.5455 |
| 41 | 21 | 1 | 22 | 4.5455 |
| 42 | 21 | 1 | 22 | 4.5455 |
| 43 | 21 | 1 | 22 | 4.5455 |
| 44 | 21 | 1 | 22 | 4.5455 |
| 45 | 21 | 1 | 22 | 4.5455 |
| 46 | 21 | 1 | 22 | 4.5455 |
| 47 | 21 | 1 | 22 | 4.5455 |
| 48 | 21 | 1 | 22 | 4.5455 |
| 49 | 21 | 1 | 22 | 4.5455 |
| 50 | 21 | 1 | 22 | 4.5455 |
| 51 | 20 | 2 | 22 | 9.0909 |
| 52 | 20 | 2 | 22 | 9.0909 |
| 53 | 20 | 2 | 22 | 9.0909 |
| 54 | 20 | 2 | 22 | 9.0909 |
| 55 | 20 | 2 | 22 | 9.0909 |
| 56 | 20 | 2 | 22 | 9.0909 |
| 57 | 20 | 2 | 22 | 9.0909 |
| 58 | 20 | 2 | 22 | 9.0909 |
| 59 | 20 | 2 | 22 | 9.0909 |
| 60 | 20 | 2 | 22 | 9.0909 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 20 | 2 | 22 | 9.0909 |
| 62 | 20 | 2 | 22 | 9.0909 |
| 63 | 20 | 2 | 22 | 9.0909 |
| 64 | 20 | 2 | 22 | 9.0909 |
| 65 | 20 | 2 | 22 | 9.0909 |
| 66 | 20 | 2 | 22 | 9.0909 |
| 67 | 20 | 2 | 22 | 9.0909 |
| 68 | 20 | 2 | 22 | 9.0909 |
| 69 | 20 | 2 | 22 | 9.0909 |
| 70 | 20 | 2 | 22 | 9.0909 |
| 71 | 20 | 2 | 22 | 9.0909 |
| 72 | 20 | 2 | 22 | 9.0909 |
| 73 | 20 | 2 | 22 | 9.0909 |
| 74 | 20 | 2 | 22 | 9.0909 |
| 75 | 20 | 2 | 22 | 9.0909 |
| 76 | 20 | 2 | 22 | 9.0909 |
| 77 | 20 | 2 | 22 | 9.0909 |
| 78 | 20 | 2 | 22 | 9.0909 |
| 79 | 20 | 2 | 22 | 9.0909 |
| 80 | 20 | 2 | 22 | 9.0909 |
| 81 | 20 | 2 | 22 | 9.0909 |
| 82 | 20 | 2 | 22 | 9.0909 |
| 83 | 20 | 2 | 22 | 9.0909 |
| 84 | 20 | 2 | 22 | 9.0909 |
| 85 | 20 | 2 | 22 | 9.0909 |
| 86 | 20 | 2 | 22 | 9.0909 |
| 87 | 20 | 2 | 22 | 9.0909 |
| 88 | 20 | 2 | 22 | 9.0909 |
| 89 | 18 | 4 | 22 | 18.1818 |
| 90 | 18 | 4 | 22 | 18.1818 |

RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 18 | 4 | 22 | 18.1818 |
| 92 | 18 | 4 | 22 | 18.1818 |
| 93 | 18 | 4 | 22 | 18.1818 |
| 94 | 18 | 4 | 22 | 18.1818 |
| 95 | 18 | 4 | 22 | 18.1818 |
| 96 | 18 | 4 | 22 | 18.1818 |
| 97 | 18 | 4 | 22 | 18.1818 |
| 98 | 18 | 4 | 22 | 18.1818 |
| 99 | 18 | 4 | 22 | 18.1818 |
| 100 | 18 | 4 | 22 | 18.1818 |
| 101 | 18 | 4 | 22 | 18.1818 |
| 102 | 18 | 4 | 22 | 18.1818 |
| 103 | 18 | 4 | 22 | 18.1818 |
| 104 | 15 | 7 | 22 | 31.8182 |
| 105 | 10 | 12 | 22 | 54.5455 |
| 106 | 2 | 20 | 22 | 90.9091 |
| 107 | 0 | 22 | 22 | 100.0000 |
| 108 | 0 | 22 | 22 | 100.0000 |
| 109 | 0 | 22 | 22 | 100.0000 |
| 110 | 0 | 22 | 22 | 100.0000 |
| 111 | 0 | 22 | 22 | 100.0000 |
| 112 | 0 | 22 | 22 | 100.0000 |
| 113 | 0 | 22 | 22 | 100.0000 |
| 114 | 0 | 22 | 22 | 100.0000 |
| 115 | 0 | 22 | 22 | 100.0000 |
| 116 | 0 | 22 | 22 | 100.0000 |
| 117 | 0 | 22 | 22 | 100.0000 |
| 118 | 0 | 22 | 22 | 100.0000 |
| 119 | 0 | 22 | 22 | 100.0000 |
| 120 | 0 | 22 | 22 | 100.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 2123 | 517 | 2640 | 19.5833 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 20 | 2 | 22 | 9.0909 |
| 2  | 20 | 2 | 22 | 9.0909 |
| 3  | 20 | 2 | 22 | 9.0909 |
| 4  | 20 | 2 | 22 | 9.0909 |
| 5  | 20 | 2 | 22 | 9.0909 |
| 6  | 20 | 2 | 22 | 9.0909 |
| 7  | 20 | 2 | 22 | 9.0909 |
| 8  | 20 | 2 | 22 | 9.0909 |
| 9  | 20 | 2 | 22 | 9.0909 |
| 10 | 20 | 2 | 22 | 9.0909 |
| 11 | 20 | 2 | 22 | 9.0909 |
| 12 | 20 | 2 | 22 | 9.0909 |
| 13 | 20 | 2 | 22 | 9.0909 |
| 14 | 20 | 2 | 22 | 9.0909 |
| 15 | 20 | 2 | 22 | 9.0909 |
| 16 | 20 | 2 | 22 | 9.0909 |
| 17 | 20 | 2 | 22 | 9.0909 |
| 18 | 20 | 2 | 22 | 9.0909 |
| 19 | 20 | 2 | 22 | 9.0909 |
| 20 | 20 | 2 | 22 | 9.0909 |
| 21 | 20 | 2 | 22 | 9.0909 |
| 22 | 20 | 2 | 22 | 9.0909 |
| 23 | 20 | 2 | 22 | 9.0909 |
| 24 | 20 | 2 | 22 | 9.0909 |
| 25 | 20 | 2 | 22 | 9.0909 |
| 26 | 20 | 2 | 22 | 9.0909 |
| 27 | 20 | 2 | 22 | 9.0909 |
| 28 | 20 | 2 | 22 | 9.0909 |
| 29 | 20 | 2 | 22 | 9.0909 |
| 30 | 20 | 2 | 22 | 9.0909 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 20 | 2 | 22 | 9.0909 |
| 32 | 20 | 2 | 22 | 9.0909 |
| 33 | 20 | 2 | 22 | 9.0909 |
| 34 | 20 | 2 | 22 | 9.0909 |
| 35 | 20 | 2 | 22 | 9.0909 |
| 36 | 20 | 2 | 22 | 9.0909 |
| 37 | 20 | 2 | 22 | 9.0909 |
| 38 | 20 | 2 | 22 | 9.0909 |
| 39 | 20 | 2 | 22 | 9.0909 |
| 40 | 20 | 2 | 22 | 9.0909 |
| 41 | 20 | 2 | 22 | 9.0909 |
| 42 | 20 | 2 | 22 | 9.0909 |
| 43 | 20 | 2 | 22 | 9.0909 |
| 44 | 20 | 2 | 22 | 9.0909 |
| 45 | 20 | 2 | 22 | 9.0909 |
| 46 | 20 | 2 | 22 | 9.0909 |
| 47 | 20 | 2 | 22 | 9.0909 |
| 48 | 20 | 2 | 22 | 9.0909 |
| 49 | 20 | 2 | 22 | 9.0909 |
| 50 | 19 | 3 | 22 | 13.6364 |
| 51 | 19 | 3 | 22 | 13.6364 |
| 52 | 19 | 3 | 22 | 13.6364 |
| 53 | 19 | 3 | 22 | 13.6364 |
| 54 | 18 | 4 | 22 | 18.1818 |
| 55 | 18 | 4 | 22 | 18.1818 |
| 56 | 18 | 4 | 22 | 18.1818 |
| 57 | 18 | 4 | 22 | 18.1818 |
| 58 | 18 | 4 | 22 | 18.1818 |
| 59 | 18 | 4 | 22 | 18.1818 |
| 60 | 18 | 4 | 22 | 18.1818 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 61 | 18 | 4 | 22 | 18.1818 |
| 62 | 18 | 4 | 22 | 18.1818 |
| 63 | 18 | 4 | 22 | 18.1818 |
| 64 | 18 | 4 | 22 | 18.1818 |
| 65 | 18 | 4 | 22 | 18.1818 |
| 66 | 18 | 4 | 22 | 18.1818 |
| 67 | 17 | 5 | 22 | 22.7273 |
| 68 | 16 | 6 | 22 | 27.2727 |
| 69 | 16 | 6 | 22 | 27.2727 |
| 70 | 15 | 7 | 22 | 31.8182 |
| 71 | 15 | 7 | 22 | 31.8182 |
| 72 | 15 | 7 | 22 | 31.8182 |
| 73 | 15 | 7 | 22 | 31.8182 |
| 74 | 15 | 7 | 22 | 31.8182 |
| 75 | 15 | 7 | 22 | 31.8182 |
| 76 | 15 | 7 | 22 | 31.8182 |
| 77 | 15 | 7 | 22 | 31.8182 |
| 78 | 13 | 9 | 22 | 40.9091 |
| 79 | 13 | 9 | 22 | 40.9091 |
| 80 | 13 | 9 | 22 | 40.9091 |
| 81 | 13 | 9 | 22 | 40.9091 |
| 82 | 13 | 9 | 22 | 40.9091 |
| 83 | 13 | 9 | 22 | 40.9091 |
| 84 | 13 | 9 | 22 | 40.9091 |
| 85 | 13 | 9 | 22 | 40.9091 |
| 86 | 13 | 9 | 22 | 40.9091 |
| 87 | 13 | 9 | 22 | 40.9091 |
| 88 | 13 | 9 | 22 | 40.9091 |
| 89 | 12 | 10 | 22 | 45.4545 |
| 90 | 12 | 10 | 22 | 45.4545 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91 | 12 | 10 | 22 | 45.4545 |
| 92 | 12 | 10 | 22 | 45.4545 |
| 93 | 12 | 10 | 22 | 45.4545 |
| 94 | 12 | 10 | 22 | 45.4545 |
| 95 | 12 | 10 | 22 | 45.4545 |
| 96 | 12 | 10 | 22 | 45.4545 |
| 97 | 12 | 10 | 22 | 45.4545 |
| 98 | 12 | 10 | 22 | 45.4545 |
| 99 | 12 | 10 | 22 | 45.4545 |
| 100 | 12 | 10 | 22 | 45.4545 |
| 101 | 12 | 10 | 22 | 45.4545 |
| 102 | 12 | 10 | 22 | 45.4545 |
| 103 | 12 | 10 | 22 | 45.4545 |
| 104 | 11 | 11 | 22 | 50.0000 |
| 105 | 6 | 16 | 22 | 72.7273 |
| 106 | 0 | 22 | 22 | 100.0000 |
| 107 | 0 | 22 | 22 | 100.0000 |
| 108 | 0 | 22 | 22 | 100.0000 |
| 109 | 0 | 22 | 22 | 100.0000 |
| 110 | 0 | 22 | 22 | 100.0000 |
| 111 | 0 | 22 | 22 | 100.0000 |
| 112 | 0 | 22 | 22 | 100.0000 |
| 113 | 0 | 22 | 22 | 100.0000 |
| 114 | 0 | 22 | 22 | 100.0000 |
| 115 | 0 | 22 | 22 | 100.0000 |
| 116 | 0 | 22 | 22 | 100.0000 |
| 117 | 0 | 22 | 22 | 100.0000 |
| 118 | 0 | 22 | 22 | 100.0000 |
| 119 | 0 | 22 | 22 | 100.0000 |
| 120 | 0 | 22 | 22 | 100.0000 |
| TØTAL | 1799 | 841 | 2640 | 31.8561 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 0 | 238 | 238 | 100.0000 |
| 2 | 0 | 238 | 238 | 100.0000 |
| 3 | 0 | 238 | 238 | 100.0000 |
| 4 | 0 | 238 | 238 | 100.0000 |
| 5 | 0 | 238 | 238 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 0 | 1190 | 1190 | 100.0000 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|--------|------|---------|-------|---------|
| 1 | 150 | 88 | 238 | 36.9748 |
| 2 | 147 | 91 | 238 | 38.2353 |
| 3 | 147 | 91 | 238 | 38.2353 |
| 4 | 145 | 93 | 238 | 39.0756 |
| 5 | 116 | 122 | 238 | 51.2605 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 705 | 485 | 1190 | 40.7563 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:      30. SEC
SENSØR BUFFER:   10240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 221 | 17 | 238 | 7.1429 |
| 2 | 220 | 18 | 238 | 7.5630 |
| 3 | 220 | 18 | 238 | 7.5630 |
| 4 | 220 | 18 | 238 | 7.5630 |
| 5 | 174 | 64 | 238 | 26.8908 |
| 6 | 18 | 220 | 238 | 92.4370 |
| 7 | 0 | 238 | 238 | 100.0000 |
| 8 | 0 | 238 | 238 | 100.0000 |
| 9 | 0 | 238 | 238 | 100.0000 |
| 10 | 0 | 238 | 238 | 100.0000 |
| TØTAL | 1073 | 1307 | 2380 | 54.9160 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 227 | 11. | 238 | 4.6218 |
| 2 | 226 | 12 | 238 | 5.0420 |
| 3 | 226 | 12 | 238 | 5.0420 |
| 4 | 225 | 13 | 238 | 5.4622 |
| 5 | 176 | 62 | 238 | 26.0504 |
| 6 | 16 | 222 | 238 | 93.2773 |
| 7 | 0 | 238 | 238 | 100.0000 |
| 8 | 0 | 238 | 238 | 100.0000 |
| 9 | 0 | 238 | 238 | 100.0000 |
| 10 | 0 | 238 | 238 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1096 | 1284 | 2380 | 53.9496 |

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DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 232 | 6 | 238 | 2.5210 |
| 2 | 232 | 6 | 238 | 2.5210 |
| 3 | 231 | 7 | 238 | 2.9412 |
| 4 | 231 | 7 | 238 | 2.9412 |
| 5 | 231 | 7 | 238 | 2.9412 |
| 6 | 231 | 7 | 238 | 2.9412 |
| 7 | 231 | 7 | 238 | 2.9412 |
| 8 | 231 | 7 | 238 | 2.9412 |
| 9 | 231 | 7 | 238 | 2.9412 |
| 10 | 231 | 8 | 239 | 3.3473 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 2312 | 69 | 2381 | 2.8979 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1  | 229 | 9   | 238 | 3.7815 |
| 2  | 229 | 9   | 238 | 3.7815 |
| 3  | 229 | 9   | 238 | 3.7815 |
| 4  | 229 | 9   | 238 | 3.7815 |
| 5  | 229 | 9   | 238 | 3.7815 |
| 6  | 229 | 9   | 238 | 3.7815 |
| 7  | 229 | 9   | 238 | 3.7815 |
| 8  | 229 | 9   | 238 | 3.7815 |
| 9  | 228 | 10  | 238 | 4.2017 |
| 10 | 228 | 10  | 238 | 4.2017 |
| 11 | 121 | 117 | 238 | 49.1597 |
| 12 | 5   | 233 | 238 | 97.8992 |
| 13 | 0   | 238 | 238 | 100.0000 |
| 14 | 0   | 238 | 238 | 100.0000 |
| 15 | 0   | 238 | 238 | 100.0000 |
| 16 | 0   | 238 | 238 | 100.0000 |
| 17 | 0   | 238 | 238 | 100.0000 |
| 18 | 0   | 238 | 238 | 100.0000 |
| 19 | 0   | 238 | 238 | 100.0000 |
| 20 | 0   | 238 | 238 | 100.0000 |
| TØTAL | 2414 | 2346 | 4760 | 49.2857 |

DUMB SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 215 | 23  | 238 | 9.6639   |
| 2  | 214 | 24  | 238 | 10.0840  |
| 3  | 214 | 24  | 238 | 10.0840  |
| 4  | 212 | 26  | 238 | 10.9244  |
| 5  | 211 | 27  | 238 | 11.3445  |
| 6  | 211 | 27  | 238 | 11.3445  |
| 7  | 210 | 28  | 238 | 11.7647  |
| 8  | 209 | 29  | 238 | 12.1849  |
| 9  | 207 | 31  | 238 | 13.0252  |
| 10 | 206 | 32  | 238 | 13.4454  |
| 11 | 108 | 130 | 238 | 54.6218  |
| 12 | 5   | 233 | 238 | 97.8992  |
| 13 | 0   | 238 | 238 | 100.0000 |
| 14 | 0   | 238 | 238 | 100.0000 |
| 15 | 0   | 238 | 238 | 100.0000 |
| 16 | 0   | 238 | 238 | 100.0000 |
| 17 | 0   | 238 | 238 | 100.0000 |
| 18 | 0   | 238 | 238 | 100.0000 |
| 19 | 0   | 238 | 238 | 100.0000 |
| 20 | 0   | 238 | 238 | 100.0000 |
| TØTAL | 2222 | 2538 | 4760 | 53.3193 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA: -
NØ ØF SENSØRS:      5
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR. | -----MESSAGES----- | | | PERCENT |
|---------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 23 | 1 | 24 | 4.1667 |
| 3 | 23 | 1 | 24 | 4.1667 |
| 4 | 23 | 1 | 24 | 4.1667 |
| 5 | 23 | 1 | 24 | 4.1667 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 115 | 5 | 120 | 4.1667 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 21 | 3 | 24 | 12.5000 |
| 2 | 20 | 3 | 23 | 13.0435 |
| 3 | 21 | 2 | 23 | 8.6957 |
| 4 | 18 | 5 | 23 | 21.7391 |
| 5 | 19 | 4 | 23 | 17.3913 |
| 6 | 20 | 3 | 23 | 13.0435 |
| 7 | 17 | 6 | 23 | 26.0870 |
| 8 | 22 | 1 | 23 | 4.3478 |
| 9 | 21 | 2 | 23 | 8.6957 |
| 10 | 21 | 2 | 23 | 8.6957 |
| TØTAL | 200 | 31 | 231 | 13.4199 |

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 20 | 4 | 24 | 16.6667 |
| 2 | 17 | 6 | 23 | 26.0870 |
| 3 | 16 | 7 | 23 | 30.4348 |
| 4 | 18 | 5 | 23 | 21.7391 |
| 5 | 19 | 4 | 23 | 17.3913 |
| 6 | 19 | 4 | 23 | 17.3913 |
| 7 | 18 | 5 | 23 | 21.7391 |
| 8 | 18 | 5 | 23 | 21.7391 |
| 9 | 18 | 5 | 23 | 21.7391 |
| 10 | 18 | 5 | 23 | 21.7391 |
| TØTAL | 181 | 50 | 231 | 21.6450 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 23 | 1 | 24 | 4.1667 |
| 3 | 23 | 1 | 24 | 4.1667 |
| 4 | 22 | 2 | 24 | 8.3333 |
| 5 | 22 | 2 | 24 | 8.3333 |
| 6 | 23 | 1 | 24 | 4.1667 |
| 7 | 23 | 1 | 24 | 4.1667 |
| 8 | 23 | 1 | 24 | 4.1667 |
| 9 | 23 | 1 | 24 | 4.1667 |
| 10 | 23 | 1 | 24 | 4.1667 |
| 11 | 23 | 1 | 24 | 4.1667 |
| 12 | 23 | 1 | 24 | 4.1667 |
| 13 | 23 | 1 | 24 | 4.1667 |
| 14 | 23 | 1 | 24 | 4.1667 |
| 15 | 23 | 1 | 24 | 4.1667 |
| 16 | 23 | 1 | 24 | 4.1667 |
| 17 | 23 | 1 | 24 | 4.1667 |
| 18 | 23 | 1 | 24 | 4.1667 |
| 19 | 23 | 1 | 24 | 4.1667 |
| 20 | 23 | 1 | 24 | 4.1667 |
| 21 | 23 | 1 | 24 | 4.1667 |
| 22 | 23 | 1 | 24 | 4.1667 |
| 23 | 23 | 1 | 24 | 4.1667 |
| 24 | 23 | 1 | 24 | 4.1667 |
| 25 | 23 | 1 | 24 | 4.1667 |
| 26 | 23 | 1 | 24 | 4.1667 |
| 27 | 23 | 1 | 24 | 4.1667 |
| 28 | 23 | 1 | 24 | 4.1667 |
| 29 | 23 | 1 | 24 | 4.1667 |
| 30 | 23 | 1 | 24 | 4.1667 |
| | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\-\-\- |
| TØTAL | 688 | 32 | 720 | 4.4444 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 18 | 5 | 23 | 21.7391 |
| 2 | 20 | 3 | 23 | 13.0435 |
| 3 | 21 | 2 | 23 | 8.6957 |
| 4 | 21 | 2 | 23 | 8.6957 |
| 5 | 19 | 4 | 23 | 17.3913 |
| 6 | 21 | 2 | 23 | 8.6957 |
| 7 | 20 | 3 | 23 | 13.0435 |
| 8 | 19 | 4 | 23 | 17.3913 |
| 9 | 21 | 2 | 23 | 8.6957 |
| 10 | 20 | 3 | 23 | 13.0435 |
| 11 | 19 | 4 | 23 | 17.3913 |
| 12 | 19 | 4 | 23 | 17.3913 |
| 13 | 21 | 2 | 23 | 8.6957 |
| 14 | 20 | 3 | 23 | 13.0435 |
| 15 | 21 | 2 | 23 | 8.6957 |
| 16 | 21 | 2 | 23 | 8.6957 |
| 17 | 18 | 5 | 23 | 21.7391 |
| 18 | 19 | 4 | 23 | 17.3913 |
| 19 | 19 | 4 | 23 | 17.3913 |
| 20 | 19 | 4 | 23 | 17.3913 |
| 21 | 20 | 3 | 23 | 13.0435 |
| 22 | 22 | 1 | 23 | 4.3478 |
| 23 | 20 | 3 | 23 | 13.0435 |
| 24 | 20 | 3 | 23 | 13.0435 |
| 25 | 20 | 3 | 23 | 13.0435 |
| 26 | 19 | 4 | 23 | 17.3913 |
| 27 | 20 | 3 | 23 | 13.0435 |
| 28 | 21 | 2 | 23 | 8.6957 |
| 29 | 20 | 3 | 23 | 13.0435 |
| 30 | 19 | 4 | 23 | 17.3913 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 20 | 3 | 23 | 13.0435 |
| 32 | 20 | 3 | 23 | 13.0435 |
| 33 | 21 | 2 | 23 | 8.6957 |
| 34 | 21 | 2 | 23 | 8.6957 |
| 35 | 20 | 3 | 23 | 13.0435 |
| 36 | 19 | 4 | 23 | 17.3913 |
| 37 | 19 | 4 | 23 | 17.3913 |
| 38 | 19 | 4 | 23 | 17.3913 |
| 39 | 19 | 4 | 23 | 17.3913 |
| 40 | 21 | 2 | 23 | 8.6957 |
| 41 | 21 | 2 | 23 | 8.6957 |
| 42 | 20 | 3 | 23 | 13.0435 |
| 43 | 20 | 3 | 23 | 13.0435 |
| 44 | 18 | 5 | 23 | 21.7391 |
| 45 | 19 | 4 | 23 | 17.3913 |
| 46 | 20 | 3 | 23 | 13.0435 |
| 47 | 22 | 1 | 23 | 4.3478 |
| 48 | 20 | 3 | 23 | 13.0435 |
| 49 | 21 | 2 | 23 | 8.6957 |
| 50 | 19 | 4 | 23 | 17.3913 |
| 51 | 19 | 4 | 23 | 17.3913 |
| 52 | 20 | 3 | 23 | 13.0435 |
| 53 | 21 | 2 | 23 | 8.6957 |
| 54 | 20 | 3 | 23 | 13.0435 |
| 55 | 19 | 4 | 23 | 17.3913 |
| 56 | 20 | 3 | 23 | 13.0435 |
| 57 | 18 | 5 | 23 | 21.7391 |
| 58 | 20 | 3 | 23 | 13.0435 |
| 59 | 19 | 4 | 23 | 17.3913 |
| 60 | 19 | 4 | 23 | 17.3913 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 18 | 5 | 23 | 21.7391 |
| 62 | 18 | 5 | 23 | 21.7391 |
| 63 | 18 | 5 | 23 | 21.7391 |
| 64 | 18 | 5 | 23 | 21.7391 |
| 65 | 21 | 2 | 23 | 8.6957 |
| 66 | 20 | 3 | 23 | 13.0435 |
| 67 | 20 | 3 | 23 | 13.0435 |
| 68 | 19 | 4 | 23 | 17.3913 |
| 69 | 18 | 5 | 23 | 21.7391 |
| 70 | 18 | 5 | 23 | 21.7391 |
| 71 | 19 | 4 | 23 | 17.3913 |
| 72 | 20 | 3 | 23 | 13.0435 |
| 73 | 19 | 4 | 23 | 17.3913 |
| 74 | 19 | 4 | 23 | 17.3913 |
| 75 | 19 | 4 | 23 | 17.3913 |
| 76 | 19 | 4 | 23 | 17.3913 |
| 77 | 19 | 4 | 23 | 17.3913 |
| 78 | 20 | 3 | 23 | 13.0435 |
| 79 | 20 | 3 | 23 | 13.0435 |
| 80 | 18 | 5 | 23 | 21.7391 |
| 81 | 19 | 4 | 23 | 17.3913 |
| 82 | 18 | 5 | 23 | 21.7391 |
| 83 | 19 | 4 | 23 | 17.3913 |
| 84 | 20 | 3 | 23 | 13.0435 |
| 85 | 20 | 3 | 23 | 13.0435 |
| 86 | 18 | 5 | 23 | 21.7391 |
| 87 | 18 | 5 | 23 | 21.7391 |
| 88 | 18 | 5 | 23 | 21.7391 |
| 89 | 18 | 5 | 23 | 21.7391 |
| 90 | 21 | 2 | 23 | 8.6957 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 20 | 3 | 23 | 13.0435 |
| 92  | 21 | 2 | 23 | 8.6957 |
| 93  | 18 | 5 | 23 | 21.7391 |
| 94  | 18 | 5 | 23 | 21.7391 |
| 95  | 17 | 6 | 23 | 26.0870 |
| 96  | 19 | 4 | 23 | 17.3913 |
| 97  | 21 | 2 | 23 | 8.6957 |
| 98  | 19 | 4 | 23 | 17.3913 |
| 99  | 21 | 2 | 23 | 8.6957 |
| 100 | 19 | 4 | 23 | 17.3913 |
| 101 | 20 | 3 | 23 | 13.0435 |
| 102 | 19 | 4 | 23 | 17.3913 |
| 103 | 20 | 3 | 23 | 13.0435 |
| 104 | 21 | 2 | 23 | 8.6957 |
| 105 | 20 | 3 | 23 | 13.0435 |
| 106 | 19 | 4 | 23 | 17.3913 |
| 107 | 19 | 4 | 23 | 17.3913 |
| 108 | 21 | 2 | 23 | 8.6957 |
| 109 | 19 | 4 | 23 | 17.3913 |
| 110 | 22 | 1 | 23 | 4.3478 |
| 111 | 20 | 3 | 23 | 13.0435 |
| 112 | 18 | 5 | 23 | 21.7391 |
| 113 | 18 | 5 | 23 | 21.7391 |
| 114 | 18 | 5 | 23 | 21.7391 |
| 115 | 19 | 4 | 23 | 17.3913 |
| 116 | 18 | 5 | 23 | 21.7391 |
| 117 | 21 | 2 | 23 | 8.6957 |
| 118 | 18 | 5 | 23 | 21.7391 |
| 119 | 19 | 4 | 23 | 17.3913 |
| 120 | 19 | 4 | 23 | 17.3913 |
| TØTAL | 2341 | 419 | 2760 | 15.1812 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 15 | 8 | 23 | 34.7826 |
| 2  | 16 | 7 | 23 | 30.4348 |
| 3  | 15 | 8 | 23 | 34.7826 |
| 4  | 16 | 7 | 23 | 30.4348 |
| 5  | 15 | 8 | 23 | 34.7826 |
| 6  | 16 | 7 | 23 | 30.4348 |
| 7  | 15 | 8 | 23 | 34.7826 |
| 8  | 15 | 8 | 23 | 34.7826 |
| 9  | 16 | 7 | 23 | 30.4348 |
| 10 | 15 | 8 | 23 | 34.7826 |
| 11 | 16 | 7 | 23 | 30.4348 |
| 12 | 14 | 9 | 23 | 39.1304 |
| 13 | 16 | 7 | 23 | 30.4348 |
| 14 | 16 | 7 | 23 | 30.4348 |
| 15 | 16 | 7 | 23 | 30.4348 |
| 16 | 16 | 7 | 23 | 30.4348 |
| 17 | 15 | 8 | 23 | 34.7826 |
| 18 | 16 | 7 | 23 | 30.4348 |
| 19 | 16 | 7 | 23 | 30.4348 |
| 20 | 16 | 7 | 23 | 30.4348 |
| 21 | 16 | 7 | 23 | 30.4348 |
| 22 | 16 | 7 | 23 | 30.4348 |
| 23 | 14 | 9 | 23 | 39.1304 |
| 24 | 15 | 8 | 23 | 34.7826 |
| 25 | 16 | 7 | 23 | 30.4348 |
| 26 | 16 | 7 | 23 | 30.4348 |
| 27 | 17 | 6 | 23 | 26.0870 |
| 28 | 16 | 7 | 23 | 30.4348 |
| 29 | 17 | 6 | 23 | 26.0870 |
| 30 | 15 | 8 | 23 | 34.7826 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 31 | 17 | 6 | 23 | 26.0870 |
| 32 | 17 | 6 | 23 | 26.0870 |
| 33 | 17 | 6 | 23 | 26.0870 |
| 34 | 18 | 5 | 23 | 21.7391 |
| 35 | 16 | 7 | 23 | 30.4348 |
| 36 | 16 | 7 | 23 | 30.4348 |
| 37 | 17 | 6 | 23 | 26.0870 |
| 38 | 19 | 4 | 23 | 17.3913 |
| 39 | 18 | 5 | 23 | 21.7391 |
| 40 | 19 | 4 | 23 | 17.3913 |
| 41 | 18 | 5 | 23 | 21.7391 |
| 42 | 15 | 8 | 23 | 34.7826 |
| 43 | 16 | 7 | 23 | 30.4348 |
| 44 | 17 | 6 | 23 | 26.0870 |
| 45 | 18 | 5 | 23 | 21.7391 |
| 46 | 17 | 6 | 23 | 26.0870 |
| 47 | 19 | 4 | 23 | 17.3913 |
| 48 | 17 | 6 | 23 | 26.0870 |
| 49 | 17 | 6 | 23 | 26.0870 |
| 50 | 18 | 5 | 23 | 21.7391 |
| 51 | 18 | 5 | 23 | 21.7391 |
| 52 | 19 | 4 | 23 | 17.3913 |
| 53 | 18 | 5 | 23 | 21.7391 |
| 54 | 18 | 5 | 23 | 21.7391 |
| 55 | 15 | 8 | 23 | 34.7826 |
| 56 | 17 | 6 | 23 | 26.0870 |
| 57 | 17 | 6 | 23 | 26.0870 |
| 58 | 17 | 6 | 23 | 26.0870 |
| 59 | 18 | 5 | 23 | 21.7391 |
| 60 | 17 | 6 | 23 | 26.0870 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 17 | 6 | 23 | 26.0870 |
| 62 | 16 | 7 | 23 | 30.4348 |
| 63 | 19 | 4 | 23 | 17.3913 |
| 64 | 18 | 5 | 23 | 21.7391 |
| 65 | 19 | 4 | 23 | 17.3913 |
| 66 | 17 | 6 | 23 | 26.0870 |
| 67 | 16 | 7 | 23 | 30.4348 |
| 68 | 16 | 7 | 23 | 30.4348 |
| 69 | 16 | 7 | 23 | 30.4348 |
| 70 | 17 | 6 | 23 | 26.0870 |
| 71 | 17 | 6 | 23 | 26.0870 |
| 72 | 18 | 5 | 23 | 21.7391 |
| 73 | 16 | 7 | 23 | 30.4348 |
| 74 | 16 | 7 | 23 | 30.4348 |
| 75 | 16 | 7 | 23 | 30.4348 |
| 76 | 16 | 7 | 23 | 30.4348 |
| 77 | 15 | 8 | 23 | 34.7826 |
| 78 | 15 | 8 | 23 | 34.7826 |
| 79 | 16 | 7 | 23 | 30.4348 |
| 80 | 14 | 9 | 23 | 39.1304 |
| 81 | 16 | 7 | 23 | 30.4348 |
| 82 | 15 | 8 | 23 | 34.7826 |
| 83 | 16 | 7 | 23 | 30.4348 |
| 84 | 15 | 8 | 23 | 34.7826 |
| 85 | 15 | 8 | 23 | 34.7826 |
| 86 | 15 | 8 | 23 | 34.7826 |
| 87 | 16 | 7 | 23 | 30.4348 |
| 88 | 17 | 6 | 23 | 26.0870 |
| 89 | 16 | 7 | 23 | 30.4348 |
| 90 | 17 | 6 | 23 | 26.0870 |

RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 16 | 7  | 23 | 30.4348 |
| 92  | 15 | 8  | 23 | 34.7826 |
| 93  | 15 | 8  | 23 | 34.7826 |
| 94  | 15 | 8  | 23 | 34.7826 |
| 95  | 17 | 6  | 23 | 26.0870 |
| 96  | 14 | 9  | 23 | 39.1304 |
| 97  | 16 | 7  | 23 | 30.4348 |
| 98  | 15 | 8  | 23 | 34.7826 |
| 99  | 16 | 7  | 23 | 30.4348 |
| 100 | 16 | 7  | 23 | 30.4348 |
| 101 | 16 | 7  | 23 | 30.4348 |
| 102 | 16 | 7  | 23 | 30.4348 |
| 103 | 16 | 7  | 23 | 30.4348 |
| 104 | 15 | 8  | 23 | 34.7826 |
| 105 | 14 | 9  | 23 | 39.1304 |
| 106 | 15 | 8  | 23 | 34.7826 |
| 107 | 14 | 9  | 23 | 39.1304 |
| 108 | 15 | 8  | 23 | 34.7826 |
| 109 | 14 | 9  | 23 | 39.1304 |
| 110 | 14 | 9  | 23 | 39.1304 |
| 111 | 14 | 9  | 23 | 39.1304 |
| 112 | 14 | 9  | 23 | 39.1304 |
| 113 | 14 | 9  | 23 | 39.1304 |
| 114 | 14 | 9  | 23 | 39.1304 |
| 115 | 15 | 8  | 23 | 34.7826 |
| 116 | 15 | 8  | 23 | 34.7826 |
| 117 | 15 | 8  | 23 | 34.7826 |
| 118 | 14 | 9  | 23 | 39.1304 |
| 119 | 13 | 10 | 23 | 43.4783 |
| 120 | 15 | 8  | 23 | 34.7826 |
| ----- | ----- | ----- | ----- | ------- |
| TØTAL | 1924 | 836 | 2760 | 30.2899 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 0 | 239 | 239 | 100.0000 |
| 2 | 0 | 239 | 239 | 100.0000 |
| 3 | C | 239 | 239 | 100.0000 |
| 4 | 0 | 239 | 239 | 100.0000 |
| 5 | 0 | 239 | 239 | 100.0000 |
| TØTAL | 0 | 1195 | 1195 | 100.0000 |

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DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR<br>NUMBER | -----MESSAGES-----<br>SENT | DRØPPED | TØTAL | PERCENT<br>DRØPPED |
|---|---|---|---|---|
| 1 | 231 | 9 | 240 | 3.7500 |
| 2 | 230 | 10 | 240 | 4.1667 |
| 3 | 231 | 9 | 240 | 3.7500 |
| 4 | 230 | 10 | 240 | 4.1667 |
| 5 | 230 | 10 | 240 | 4.1667 |
| TØTAL | 1152 | 48 | 1200 | 4.0000 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 116 | 123 | 239 | 51.4644 |
| 2 | 118 | 121 | 239 | 50.6276 |
| 3 | 122 | 117 | 239 | 48.9540 |
| 4 | 117 | 122 | 239 | 51.0460 |
| 5 | 119 | 120 | 239 | 50.2092 |
| 6 | 118 | 121 | 239 | 50.6276 |
| 7 | 114 | 125 | 239 | 52.3013 |
| 8 | 116 | 123 | 239 | 51.4644 |
| 9 | 118 | 121 | 239 | 50.6276 |
| 10 | 118 | 121 | 239 | 50.6276 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1176 | 1214 | 2390 | 50.7950 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 125 | 114 | 239 | 47.6987 |
| 2 | 129 | 110 | 239 | 46.0251 |
| 3 | 125 | 114 | 239 | 47.6987 |
| 4 | 125 | 114 | 239 | 47.6987 |
| 5 | 124 | 115 | 239 | 48.1172 |
| 6 | 123 | 116 | 239 | 48.5356 |
| 7 | 125 | 114 | 239 | 47.6987 |
| 8 | 127 | 112 | 239 | 46.8619 |
| 9 | 127 | 112 | 239 | 46.8619 |
| 10 | 125 | 114 | 239 | 47.6987 |
| TØTAL | 1255 | 1135 | 2390 | 47.4895 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 224 | 16 | 240 | 6.6667 |
| 2 | 224 | 16 | 240 | 6.6667 |
| 3 | 224 | 16 | 240 | 6.6667 |
| 4 | 222 | 18 | 240 | 7.5000 |
| 5 | 223 | 17 | 240 | 7.0833 |
| 6 | 223 | 17 | 240 | 7.0833 |
| 7 | 224 | 16 | 240 | 6.6667 |
| 8 | 224 | 16 | 240 | 6.6667 |
| 9 | 224 | 16 | 240 | 6.6667 |
| 10 | 223 | 16 | 239 | 6.6946 |
| TØTAL | 2235 | 164 | 2399 | 6.8362 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE: 4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| --- | --- | --- | --- | --- |
| 1 | 108 | 131 | 239 | 54.8117 |
| 2 | 101 | 138 | 239 | 57.7406 |
| 3 | 103 | 136 | 239 | 56.9038 |
| 4 | 107 | 132 | 239 | 55.2301 |
| 5 | 99 | 140 | 239 | 58.5774 |
| 6 | 109 | 130 | 239 | 54.3933 |
| 7 | 100 | 139 | 239 | 58.1590 |
| 8 | 108 | 131 | 239 | 54.8117 |
| 9 | 100 | 139 | 239 | 58.1590 |
| 10 | 109 | 130 | 239 | 54.3933 |
| 11 | 103 | 136 | 239 | 56.9038 |
| 12 | 105 | 134 | 239 | 56.0669 |
| 13 | 104 | 135 | 239 | 56.4854 |
| 14 | 105 | 134 | 239 | 56.0669 |
| 15 | 106 | 133 | 239 | 55.6485 |
| 16 | 103 | 136 | 239 | 56.9038 |
| 17 | 112 | 127 | 239 | 53.1381 |
| 18 | 100 | 139 | 239 | 58.1590 |
| 19 | 110 | 129 | 239 | 53.9749 |
| 20 | 99 | 140 | 239 | 58.5774 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 2091 | 2689 | 4780 | 56.2552 |

DUMB SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 129 | 111 | 240 | 46.2500 |
| 2 | 134 | 105 | 239 | 43.9331 |
| 3 | 130 | 109 | 239 | 45.6067 |
| 4 | 134 | 105 | 239 | 43.9331 |
| 5 | 127 | 112 | 239 | 46.8619 |
| 6 | 132 | 107 | 239 | 44.7699 |
| 7 | 131 | 108 | 239 | 45.1883 |
| 8 | 134 | 105 | 239 | 43.9331 |
| 9 | 129 | 110 | 239 | 46.0251 |
| 10 | 132 | 107 | 239 | 44.7699 |
| 11 | 132 | 107 | 239 | 44.7699 |
| 12 | 133 | 106 | 239 | 44.3515 |
| 13 | 131 | 108 | 239 | 45.1883 |
| 14 | 129 | 110 | 239 | 46.0251 |
| 15 | 132 | 107 | 239 | 44.7699 |
| 16 | 132 | 107 | 239 | 44.7699 |
| 17 | 130 | 109 | 239 | 45.6067 |
| 18 | 132 | 107 | 239 | 44.7699 |
| 19 | 133 | 106 | 239 | 44.3515 |
| 20 | 134 | 105 | 239 | 43.9331 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 2630 | 2151 | 4781 | 44.9906 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 23 | 1 | 24 | 4.1667 |
| 3 | 23 | 1 | 24 | 4.1667 |
| 4 | 23 | 1 | 24 | 4.1667 |
| 5 | 22 | 2 | 24 | 8.3333 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 114 | 6 | 120 | 5.0000 |

DUMB SENSØRS, GRØUP PØLLING, EVEN INTERVAL TURNØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 21 | 3 | 24 | 12.5000 |
| 2 | 19 | 4 | 23 | 17.3913 |
| 3 | 21 | 2 | 23 | 8.6957 |
| 4 | 21 | 2 | 23 | 8.6957 |
| 5 | 20 | 3 | 23 | 13.0435 |
| 6 | 19 | 4 | 23 | 17.3913 |
| 7 | 19 | 4 | 23 | 17.3913 |
| 8 | 18 | 5 | 23 | 21.7391 |
| 9 | 18 | 5 | 23 | 21.7391 |
| 10 | 21 | 2 | 23 | 8.6957 |
| TØTAL | 197 | 34 | 231 | 14.7186 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 19 | 5 | 24 | 20.8333 |
| 2 | 19 | 4 | 23 | 17.3913 |
| 3 | 19 | 4 | 23 | 17.3913 |
| 4 | 19 | 4 | 23 | 17.3913 |
| 5 | 17 | 6 | 23 | 26.0870 |
| 6 | 19 | 4 | 23 | 17.3913 |
| 7 | 19 | 4 | 23 | 17.3913 |
| 8 | 17 | 6 | 23 | 26.0870 |
| 9 | 19 | 4 | 23 | 17.3913 |
| 10 | 20 | 3 | 23 | 13.0435 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 187 | 44 | 231 | 19.0476 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 23 | 1 | 24 | 4.1667 |
| 3 | 23 | 1 | 24 | 4.1667 |
| 4 | 23 | 1 | 24 | 4.1667 |
| 5 | 23 | 1 | 24 | 4.1667 |
| 6 | 23 | 1 | 24 | 4.1667 |
| 7 | 23 | 1 | 24 | 4.1667 |
| 8 | 23 | 1 | 24 | 4.1667 |
| 9 | 23 | 1 | 24 | 4.1667 |
| 10 | 23 | 1 | 24 | 4.1667 |
| 11 | 23 | 1 | 24 | 4.1667 |
| 12 | 23 | 1 | 24 | 4.1667 |
| 13 | 23 | 1 | 24 | 4.1667 |
| 14 | 23 | 1 | 24 | 4.1667 |
| 15 | 23 | 1 | 24 | 4.1667 |
| 16 | 23 | 1 | 24 | 4.1667 |
| 17 | 23 | 1 | 24 | 4.1667 |
| 18 | 23 | 1 | 24 | 4.1667 |
| 19 | 23 | 1 | 24 | 4.1667 |
| 20 | 23 | 1 | 24 | 4.1667 |
| 21 | 23 | 1 | 24 | 4.1667 |
| 22 | 23 | 1 | 24 | 4.1667 |
| 23 | 23 | 1 | 24 | 4.1667 |
| 24 | 23 | 1 | 24 | 4.1667 |
| 25 | 22 | 1 | 23 | 4.3478 |
| 26 | 22 | 1 | 23 | 4.3478 |
| 27 | 22 | 1 | 23 | 4.3478 |
| 28 | 22 | 1 | 23 | 4.3478 |
| 29 | 22 | 1 | 23 | 4.3478 |
| 30 | 22 | 1 | 23 | 4.3478 |
| TØTAL | 684 | 30 | 714 | 4.2017 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 19 | 5 | 24 | 20.8333 |
| 2 | 19 | 5 | 24 | 20.8333 |
| 3 | 19 | 5 | 24 | 20.8333 |
| 4 | 19 | 5 | 24 | 20.8333 |
| 5 | 19 | 5 | 24 | 20.8333 |
| 6 | 20 | 4 | 24 | 16.6667 |
| 7 | 20 | 4 | 24 | 16.6667 |
| 8 | 20 | 4 | 24 | 16.6667 |
| 9 | 20 | 4 | 24 | 16.6667 |
| 10 | 20 | 4 | 24 | 16.6667 |
| 11 | 20 | 4 | 24 | 16.6667 |
| 12 | 20 | 4 | 24 | 16.6667 |
| 13 | 20 | 4 | 24 | 16.6667 |
| 14 | 20 | 4 | 24 | 16.6667 |
| 15 | 20 | 4 | 24 | 16.6667 |
| 16 | 20 | 4 | 24 | 16.6667 |
| 17 | 20 | 4 | 24 | 16.6667 |
| 18 | 20 | 4 | 24 | 16.6667 |
| 19 | 20 | 4 | 24 | 16.6667 |
| 20 | 19 | 5 | 24 | 20.8333 |
| 21 | 19 | 5 | 24 | 20.8333 |
| 22 | 19 | 5 | 24 | 20.8333 |
| 23 | 19 | 5 | 24 | 20.8333 |
| 24 | 19 | 5 | 24 | 20.8333 |
| 25 | 19 | 5 | 24 | 20.8333 |
| 26 | 19 | 5 | 24 | 20.8333 |
| 27 | 19 | 5 | 24 | 20.8333 |
| 28 | 19 | 5 | 24 | 20.8333 |
| 29 | 19 | 5 | 24 | 20.8333 |
| 30 | 19 | 5 | 24 | 20.8333 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 19 | 5 | 24 | 20.8333 |
| 32 | 20 | 4 | 24 | 16.6667 |
| 33 | 21 | 3 | 24 | 12.5000 |
| 34 | 21 | 3 | 24 | 12.5000 |
| 35 | 21 | 3 | 24 | 12.5000 |
| 36 | 20 | 3 | 23 | 13.0435 |
| 37 | 20 | 3 | 23 | 13.0435 |
| 38 | 20 | 3 | 23 | 13.0435 |
| 39 | 20 | 3 | 23 | 13.0435 |
| 40 | 20 | 3 | 23 | 13.0435 |
| 41 | 20 | 3 | 23 | 13.0435 |
| 42 | 20 | 3 | 23 | 13.0435 |
| 43 | 20 | 3 | 23 | 13.0435 |
| 44 | 20 | 3 | 23 | 13.0435 |
| 45 | 20 | 3 | 23 | 13.0435 |
| 46 | 21 | 2 | 23 | 8.6957 |
| 47 | 21 | 2 | 23 | 8.6957 |
| 48 | 21 | 2 | 23 | 8.6957 |
| 49 | 21 | 2 | 23 | 8.6957 |
| 50 | 21 | 2 | 23 | 8.6957 |
| 51 | 21 | 2 | 23 | 8.6957 |
| 52 | 21 | 2 | 23 | 8.6957 |
| 53 | 21 | 2 | 23 | 8.6957 |
| 54 | 21 | 2 | 23 | 8.6957 |
| 55 | 21 | 2 | 23 | 8.6957 |
| 56 | 21 | 2 | 23 | 8.6957 |
| 57 | 21 | 2 | 23 | 8.6957 |
| 58 | 21 | 2 | 23 | 8.6957 |
| 59 | 21 | 2 | 23 | 8.6957 |
| 60 | 21 | 2 | 23 | 8.6957 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 21 | 2 | 23 | 8.6957 |
| 62 | 21 | 2 | 23 | 8.6957 |
| 63 | 21 | 2 | 23 | 8.6957 |
| 64 | 21 | 2 | 23 | 8.6957 |
| 65 | 21 | 2 | 23 | 8.6957 |
| 66 | 20 | 3 | 23 | 13.0435 |
| 67 | 20 | 3 | 23 | 13.0435 |
| 68 | 20 | 3 | 23 | 13.0435 |
| 69 | 20 | 3 | 23 | 13.0435 |
| 70 | 20 | 3 | 23 | 13.0435 |
| 71 | 20 | 3 | 23 | 13.0435 |
| 72 | 20 | 3 | 23 | 13.0435 |
| 73 | 20 | 3 | 23 | 13.0435 |
| 74 | 20 | 3 | 23 | 13.0435 |
| 75 | 20 | 3 | 23 | 13.0435 |
| 76 | 20 | 3 | 23 | 13.0435 |
| 77 | 20 | 3 | 23 | 13.0435 |
| 78 | 20 | 3 | 23 | 13.0435 |
| 79 | 20 | 3 | 23 | 13.0435 |
| 80 | 20 | 3 | 23 | 13.0435 |
| 81 | 20 | 3 | 23 | 13.0435 |
| 82 | 19 | 4 | 23 | 17.3913 |
| 83 | 19 | 4 | 23 | 17.3913 |
| 84 | 19 | 4 | 23 | 17.3913 |
| 85 | 19 | 4 | 23 | 17.3913 |
| 86 | 19 | 4 | 23 | 17.3913 |
| 87 | 19 | 4 | 23 | 17.3913 |
| 88 | 18 | 5 | 23 | 21.7391 |
| 89 | 18 | 5 | 23 | 21.7391 |
| 90 | 18 | 5 | 23 | 21.7391 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 18 | 5 | 23 | 21.7391 |
| 92 | 18 | 5 | 23 | 21.7391 |
| 93 | 18 | 5 | 23 | 21.7391 |
| 94 | 18 | 5 | 23 | 21.7391 |
| 95 | 18 | 5 | 23 | 21.7391 |
| 96 | 18 | 5 | 23 | 21.7391 |
| 97 | 18 | 5 | 23 | 21.7391 |
| 98 | 18 | 5 | 23 | 21.7391 |
| 99 | 18 | 5 | 23 | 21.7391 |
| 100 | 18 | 5 | 23 | 21.7391 |
| 101 | 18 | 5 | 23 | 21.7391 |
| 102 | 18 | 5 | 23 | 21.7391 |
| 103 | 18 | 5 | 23 | 21.7391 |
| 104 | 18 | 5 | 23 | 21.7391 |
| 105 | 18 | 5 | 23 | 21.7391 |
| 106 | 18 | 5 | 23 | 21.7391 |
| 107 | 18 | 5 | 23 | 21.7391 |
| 108 | 18 | 5 | 23 | 21.7391 |
| 109 | 18 | 5 | 23 | 21.7391 |
| 110 | 18 | 5 | 23 | 21.7391 |
| 111 | 18 | 5 | 23 | 21.7391 |
| 112 | 18 | 5 | 23 | 21.7391 |
| 113 | 18 | 5 | 23 | 21.7391 |
| 114 | 18 | 5 | 23 | 21.7391 |
| 115 | 18 | 5 | 23 | 21.7391 |
| 116 | 18 | 5 | 23 | 21.7391 |
| 117 | 19 | 4 | 23 | 17.3913 |
| 118 | 19 | 4 | 23 | 17.3913 |
| 119 | 19 | 4 | 23 | 17.3913 |
| 120 | 18 | 5 | 23 | 21.7391 |
| ----- | ----- | ----- | ----- | ------- |
| TØTAL | 2337 | 458 | 2795 | 16.3864 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 21 | 3 | 24 | 12.5000 |
| 2 | 21 | 3 | 24 | 12.5000 |
| 3 | 22 | 2 | 24 | 8.3333 |
| 4 | 22 | 2 | 24 | 8.3333 |
| 5 | 22 | 2 | 24 | 8.3333 |
| 6 | 22 | 2 | 24 | 8.3333 |
| 7 | 22 | 2 | 24 | 8.3333 |
| 8 | 22 | 2 | 24 | 8.3333 |
| 9 | 22 | 2 | 24 | 8.3333 |
| 10 | 22 | 2 | 24 | 8.3333 |
| 11 | 22 | 2 | 24 | 8.3333 |
| 12 | 22 | 2 | 24 | 8.3333 |
| 13 | 22 | 2 | 24 | 8.3333 |
| 14 | 22 | 2 | 24 | 8.3333 |
| 15 | 22 | 2 | 24 | 8.3333 |
| 16 | 22 | 2 | 24 | 8.3333 |
| 17 | 21 | 2 | 23 | 8.6957 |
| 18 | 22 | 1 | 23 | 4.3478 |
| 19 | 22 | 1 | 23 | 4.3478 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 22 | 1 | 23 | 4.3478 |
| 22 | 22 | 1 | 23 | 4.3478 |
| 23 | 22 | 1 | 23 | 4.3478 |
| 24 | 22 | 1 | 23 | 4.3478 |
| 25 | 22 | 1 | 23 | 4.3478 |
| 26 | 22 | 1 | 23 | 4.3478 |
| 27 | 22 | 1 | 23 | 4.3478 |
| 28 | 22 | 1 | 23 | 4.3478 |
| 29 | 22 | 1 | 23 | 4.3478 |
| 30 | 22 | 1 | 23 | 4.3478 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 31 | 22 | 1 | 23 | 4.3478 |
| 32 | 22 | 1 | 23 | 4.3478 |
| 33 | 22 | 1 | 23 | 4.3478 |
| 34 | 22 | 1 | 23 | 4.3478 |
| 35 | 22 | 1 | 23 | 4.3478 |
| 36 | 22 | 1 | 23 | 4.3478 |
| 37 | 22 | 1 | 23 | 4.3478 |
| 38 | 22 | 1 | 23 | 4.3478 |
| 39 | 22 | 1 | 23 | 4.3478 |
| 40 | 22 | 1 | 23 | 4.3478 |
| 41 | 22 | 1 | 23 | 4.3478 |
| 42 | 22 | 1 | 23 | 4.3478 |
| 43 | 22 | 1 | 23 | 4.3478 |
| 44 | 22 | 1 | 23 | 4.3478 |
| 45 | 22 | 1 | 23 | 4.3478 |
| 46 | 22 | 1 | 23 | 4.3478 |
| 47 | 22 | 1 | 23 | 4.3478 |
| 48 | 22 | 1 | 23 | 4.3478 |
| 49 | 22 | 1 | 23 | 4.3478 |
| 50 | 22 | 1 | 23 | 4.3478 |
| 51 | 22 | 1 | 23 | 4.3478 |
| 52 | 22 | 1 | 23 | 4.3478 |
| 53 | 22 | 1 | 23 | 4.3478 |
| 54 | 22 | 1 | 23 | 4.3478 |
| 55 | 22 | 1 | 23 | 4.3478 |
| 56 | 22 | 1 | 23 | 4.3478 |
| 57 | 22 | 1 | 23 | 4.3478 |
| 58 | 22 | 1 | 23 | 4.3478 |
| 59 | 22 | 1 | 23 | 4.3478 |
| 60 | 22 | 1 | 23 | 4.3478 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:

NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS


| SENSØR NUMBER | SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 61 | 21 | 2 | 23 | 8.6957 |
| 62 | 21 | 2 | 23 | 8.6957 |
| 63 | 21 | 2 | 23 | 8.6957 |
| 64 | 21 | 2 | 23 | 8.6957 |
| 65 | 21 | 2 | 23 | 8.6957 |
| 66 | 21 | 2 | 23 | 8.6957 |
| 67 | 21 | 2 | 23 | 8.6957 |
| 68 | 21 | 2 | 23 | 8.6957 |
| 69 | 21 | 2 | 23 | 8.6957 |
| 70 | 21 | 2 | 23 | 8.6957 |
| 71 | 21 | 2 | 23 | 8.6957 |
| 72 | 21 | 2 | 23 | 8.6957 |
| 73 | 21 | 2 | 23 | 8.6957 |
| 74 | 21 | 2 | 23 | 8.6957 |
| 75 | 21 | 2 | 23 | 8.6957 |
| 76 | 22 | 1 | 23 | 4.3478 |
| 77 | 22 | 1 | 23 | 4.3478 |
| 78 | 22 | 1 | 23 | 4.3478 |
| 79 | 22 | 1 | 23 | 4.3478 |
| 80 | 22 | 1 | 23 | 4.3478 |
| 81 | 22 | 1 | 23 | 4.3478 |
| 82 | 22 | 1 | 23 | 4.3478 |
| 83 | 22 | 1 | 23 | 4.3478 |
| 84 | 22 | 1 | 23 | 4.3478 |
| 85 | 22 | 1 | 23 | 4.3478 |
| 86 | 22 | 1 | 23 | 4.3478 |
| 87 | 22 | 1 | 23 | 4.3478 |
| 88 | 22 | 1 | 23 | 4.3478 |
| 89 | 22 | 1 | 23 | 4.3478 |
| 90 | 22 | 1 | 23 | 4.3478 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 22 | 1 | 23 | 4.3478 |
| 92  | 22 | 1 | 23 | 4.3478 |
| 93  | 22 | 1 | 23 | 4.3478 |
| 94  | 22 | 1 | 23 | 4.3478 |
| 95  | 22 | 1 | 23 | 4.3478 |
| 96  | 22 | 1 | 23 | 4.3478 |
| 97  | 22 | 1 | 23 | 4.3478 |
| 98  | 22 | 1 | 23 | 4.3478 |
| 99  | 22 | 1 | 23 | 4.3478 |
| 100 | 22 | 1 | 23 | 4.3478 |
| 101 | 22 | 1 | 23 | 4.3478 |
| 102 | 22 | 1 | 23 | 4.3478 |
| 103 | 22 | 1 | 23 | 4.3478 |
| 104 | 21 | 2 | 23 | 8.6957 |
| 105 | 21 | 2 | 23 | 8.6957 |
| 106 | 21 | 2 | 23 | 8.6957 |
| 107 | 21 | 2 | 23 | 8.6957 |
| 108 | 21 | 2 | 23 | 8.6957 |
| 109 | 21 | 2 | 23 | 8.6957 |
| 110 | 21 | 2 | 23 | 8.6957 |
| 111 | 21 | 2 | 23 | 8.6957 |
| 112 | 21 | 2 | 23 | 8.6957 |
| 113 | 21 | 2 | 23 | 8.6957 |
| 114 | 21 | 2 | 23 | 8.6957 |
| 115 | 21 | 2 | 23 | 8.6957 |
| 116 | 21 | 2 | 23 | 8.6957 |
| 117 | 21 | 2 | 23 | 8.6957 |
| 118 | 21 | 2 | 23 | 8.6957 |
| 119 | 21 | 2 | 23 | 8.6957 |
| 120 | 21 | 2 | 23 | 8.6957 |
| TØTAL | 2605 | 171 | 2776 | 6.1599 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:   2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
| | SENT | DRØPPED | TØTAL | |
| 1 | 0 | 239 | 239 | 100.0000 |
| 2 | 0 | 239 | 239 | 100.0000 |
| 3 | 0 | 239 | 239 | 100.0000 |
| 4 | 0 | 239 | 239 | 100.0000 |
| 5 | 0 | 239 | 239 | 100.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 0 | 1195 | 1195 | 100.0000 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   240,0 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|--------|------|---------|-------|---------|
| 1 | 193 | 47 | 240 | 19.5833 |
| 2 | 192 | 48 | 240 | 20.0000 |
| 3 | 192 | 48 | 240 | 20.0000 |
| 4 | 190 | 50 | 240 | 20.8333 |
| 5 | 193 | 47 | 240 | 19.5833 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 960 | 240 | 1200 | 20.0000 |

DUMB SENSØRS, GRØUP PØLLING, EVEN INTERVAL TURNØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|--------|------|---------|-------|---------|
| 1 | 134 | 105 | 239 | 43.9331 |
| 2 | 134 | 105 | 239 | 43.9331 |
| 3 | 134 | 105 | 239 | 43.9331 |
| 4 | 134 | 105 | 239 | 43.9331 |
| 5 | 134 | 105 | 239 | 43.9331 |
| 6 | 132 | 107 | 239 | 44.7699 |
| 7 | 133 | 106 | 239 | 44.3515 |
| 8 | 136 | 103 | 239 | 43.0962 |
| 9 | 134 | 105 | 239 | 43.9331 |
| 10 | 133 | 106 | 239 | 44.3515 |
| TØTAL | 1338 | 1052 | 2390 | 44.0167 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 128 | 112 | 240 | 46.6667 |
| 2 | 128 | 111 | 239 | 46.4435 |
| 3 | 130 | 109 | 239 | 45.6067 |
| 4 | 127 | 112 | 239 | 46.8619 |
| 5 | 132 | 107 | 239 | 44.7699 |
| 6 | 133 | 106 | 239 | 44.3515 |
| 7 | 131 | 108 | 239 | 45.1883 |
| 8 | 132 | 107 | 239 | 44.7699 |
| 9 | 131 | 108 | 239 | 45.1883 |
| 10 | 128 | 111 | 239 | 46.4435 |
| TØTAL | 1300 | 1091 | 2391 | 45.6294 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:   30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 232 | 8 | 240 | 3.3333 |
| 2 | 232 | 8 | 240 | 3.3333 |
| 3 | 232 | 8 | 240 | 3.3333 |
| 4 | 233 | 7 | 240 | 2.9167 |
| 5 | 233 | 7 | 240 | 2.9167 |
| 6 | 233 | 7 | 240 | 2.9167 |
| 7 | 233 | 7 | 240 | 2.9167 |
| 8 | 233 | 7 | 240 | 2.9167 |
| 9 | 233 | 7 | 240 | 2.9167 |
| 10 | 233 | 7 | 240 | 2.9167 |
| TØTAL | 2327 | 73 | 2400 | 3.0417 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:   30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 130 | 109 | 239 | 45.6067 |
| 2 | 133 | 106 | 239 | 44.3515 |
| 3 | 130 | 109 | 239 | 45.6067 |
| 4 | 132 | 107 | 239 | 44.7699 |
| 5 | 134 | 105 | 239 | 43.9331 |
| 6 | 131 | 108 | 239 | 45.1883 |
| 7 | 136 | 103 | 239 | 43.0962 |
| 8 | 130 | 109 | 239 | 45.6067 |
| 9 | 135 | 104 | 239 | 43.5146 |
| 10 | 130 | 109 | 239 | 45.6067 |
| 11 | 131 | 108 | 239 | 45.1883 |
| 12 | 130 | 109 | 239 | 45.6067 |
| 13 | 126 | 113 | 239 | 47.2803 |
| 14 | 131 | 108 | 239 | 45.1883 |
| 15 | 131 | 108 | 239 | 45.1883 |
| 16 | 129 | 110 | 239 | 46.0251 |
| 17 | 136 | 103 | 239 | 43.0962 |
| 18 | 132 | 107 | 239 | 44.7699 |
| 19 | 131 | 108 | 239 | 45.1883 |
| 20 | 135 | 104 | 239 | 43.5146 |
| TØTAL | 2633 | 2147 | 4780 | 44.9163 |

DUMB SENSØRS,GRØUP PØLLING,EVEN INTERVAL TURNØN,RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 143 | 96 | 239 | 40.1674 |
| 2  | 145 | 94 | 239 | 39.3305 |
| 3  | 142 | 97 | 239 | 40.5858 |
| 4  | 143 | 96 | 239 | 40.1674 |
| 5  | 147 | 92 | 239 | 38.4937 |
| 6  | 142 | 97 | 239 | 40.5858 |
| 7  | 147 | 92 | 239 | 38.4937 |
| 8  | 148 | 91 | 239 | 38.0753 |
| 9  | 145 | 94 | 239 | 39.3305 |
| 10 | 147 | 92 | 239 | 38.4937 |
| 11 | 144 | 95 | 239 | 39.7490 |
| 12 | 141 | 98 | 239 | 41.0042 |
| 13 | 145 | 94 | 239 | 39.3305 |
| 14 | 144 | 95 | 239 | 39.7490 |
| 15 | 142 | 97 | 239 | 40.5858 |
| 16 | 147 | 92 | 239 | 38.4937 |
| 17 | 143 | 96 | 239 | 40.1674 |
| 18 | 143 | 96 | 239 | 40.1674 |
| 19 | 146 | 93 | 239 | 38.9121 |
| 20 | 143 | 96 | 239 | 40.1674 |
| TØTAL | 2887 | 1893 | 4780 | 39.6025 |

RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 23 | 0 | 23 | 0.0000 |
| 2 | 23 | 0 | 23 | 0.0000 |
| 3 | 22 | 1 | 23 | 4.3478 |
| 4 | 22 | 1 | 23 | 4.3478 |
| 5 | 22 | 1 | 23 | 4.3478 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 112 | 3 | 115 | 2.6087 |

MUX LINK SIMULATØR RUN    402    PAGE 1 ØF 1.    19:33    8-AUG-78
DUMB SENSØRS,GRØUP PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR NUMBER | SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 23 | 0 | 23 | 0.0000 |
| 2 | 23 | 0 | 23 | 0.0000 |
| 3 | 22 | 1 | 23 | 4.3478 |
| 4 | 22 | 1 | 23 | 4.3478 |
| 5 | 22 | 1 | 23 | 4.3478 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 21 | 2 | 23 | 8.6957 |
| 8 | 20 | 3 | 23 | 13.0435 |
| 9 | 20 | 3 | 23 | 13.0435 |
| 10 | 2 | 20 | 22 | 90.9091 |
| TØTAL | 197 | 32 | 229 | 13.9738 |

A-50

RUN DATA:
NØ ØF SENSØRS:       10
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:     300 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 23  | 0  | 23 | 0.0000 |
| 2  | 23  | 0  | 23 | 0.0000 |
| 3  | 22  | 1  | 23 | 4.3478 |
| 4  | 21  | 2  | 23 | 8.6957 |
| 5  | 21  | 2  | 23 | 8.6957 |
| 6  | 19  | 4  | 23 | 17.3913 |
| 7  | 18  | 5  | 23 | 21.7391 |
| 8  | 18  | 5  | 23 | 21.7391 |
| 9  | 18  | 5  | 23 | 21.7391 |
| 10 | 1   | 21 | 22 | 95.4545 |
| | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\-\-\- |
| TØTAL | 184 | 45 | 229 | 19.6507 |

DUMB SENSØRS,GRØUP PØLLING,SIMULTANEØUS TURN ØN,RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    30
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | \-----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 23 | 0 | 23 | 0.0000 |
| 2  | 23 | 0 | 23 | 0.0000 |
| 3  | 23 | 0 | 23 | 0.0000 |
| 4  | 23 | 0 | 23 | 0.0000 |
| 5  | 23 | 0 | 23 | 0.0000 |
| 6  | 23 | 0 | 23 | 0.0000 |
| 7  | 23 | 0 | 23 | 0.0000 |
| 8  | 23 | 0 | 23 | 0.0000 |
| 9  | 23 | 0 | 23 | 0.0000 |
| 10 | 23 | 0 | 23 | 0.0000 |
| 11 | 23 | 0 | 23 | 0.0000 |
| 12 | 23 | 0 | 23 | 0.0000 |
| 13 | 23 | 0 | 23 | 0.0000 |
| 14 | 23 | 0 | 23 | 0.0000 |
| 15 | 23 | 0 | 23 | 0.0000 |
| 16 | 23 | 0 | 23 | 0.0000 |
| 17 | 23 | 0 | 23 | 0.0000 |
| 18 | 23 | 0 | 23 | 0.0000 |
| 19 | 23 | 0 | 23 | 0.0000 |
| 20 | 23 | 0 | 23 | 0.0000 |
| 21 | 23 | 0 | 23 | 0.0000 |
| 22 | 23 | 0 | 23 | 0.0000 |
| 23 | 23 | 0 | 23 | 0.0000 |
| 24 | 23 | 0 | 23 | 0.0000 |
| 25 | 23 | 0 | 23 | 0.0000 |
| 26 | 23 | 0 | 23 | 0.0000 |
| 27 | 23 | 0 | 23 | 0.0000 |
| 28 | 23 | 0 | 23 | 0.0000 |
| 29 | 23 | 0 | 23 | 0.0000 |
| 30 | 23 | 0 | 23 | 0.0000 |
| TØTAL | 690 | 0 | 690 | 0.0000 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 22 | 1 | 23 | 4.3478 |
| 2 | 22 | 1 | 23 | 4.3478 |
| 3 | 22 | 1 | 23 | 4.3478 |
| 4 | 22 | 1 | 23 | 4.3478 |
| 5 | 22 | 1 | 23 | 4.3478 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 22 | 1 | 23 | 4.3478 |
| 8 | 22 | 1 | 23 | 4.3478 |
| 9 | 22 | 1 | 23 | 4.3478 |
| 10 | 22 | 1 | 23 | 4.3478 |
| 11 | 22 | 1 | 23 | 4.3478 |
| 12 | 22 | 1 | 23 | 4.3478 |
| 13 | 22 | 1 | 23 | 4.3478 |
| 14 | 22 | 1 | 23 | 4.3478 |
| 15 | 22 | 1 | 23 | 4.3478 |
| 16 | 22 | 1 | 23 | 4.3478 |
| 17 | 22 | 1 | 23 | 4.3478 |
| 18 | 22 | 1 | 23 | 4.3478 |
| 19 | 22 | 1 | 23 | 4.3478 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 22 | 1 | 23 | 4.3478 |
| 22 | 22 | 1 | 23 | 4.3478 |
| 23 | 22 | 1 | 23 | 4.3478 |
| 24 | 22 | 1 | 23 | 4.3478 |
| 25 | 22 | 1 | 23 | 4.3478 |
| 26 | 22 | 1 | 23 | 4.3478 |
| 27 | 22 | 1 | 23 | 4.3478 |
| 28 | 22 | 1 | 23 | 4.3478 |
| 29 | 22 | 1 | 23 | 4.3478 |
| 30 | 22 | 1 | 23 | 4.3478 |

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT-RATE: 2400 BPS
BITS PER PØLL: 240
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 22 | 1 | 23 | 4.3478 |
| 32 | 22 | 1 | 23 | 4.3478 |
| 33 | 22 | 1 | 23 | 4.3478 |
| 34 | 22 | 1 | 23 | 4.3478 |
| 35 | 22 | 1 | 23 | 4.3478 |
| 36 | 22 | 1 | 23 | 4.3478 |
| 37 | 22 | 1 | 23 | 4.3478 |
| 38 | 22 | 1 | 23 | 4.3478 |
| 39 | 22 | 1 | 23 | 4.3478 |
| 40 | 22 | 1 | 23 | 4.3478 |
| 41 | 21 | 2 | 23 | 8.6957 |
| 42 | 21 | 2 | 23 | 8.6957 |
| 43 | 21 | 2 | 23 | 8.6957 |
| 44 | 21 | 2 | 23 | 8.6957 |
| 45 | 21 | 2 | 23 | .8.6957 |
| 46 | 20 | 3 | 23 | 13.0435 |
| 47 | 20 | 3 | 23 | 13.0435 |
| 48 | 20 | 3 | 23 | 13.0435 |
| 49 | 20 | 3 | 23 | 13.0435 |
| 50 | 20 | 3 | 23 | 13.0435 |
| 51 | 20 | 3 | 23 | 13.0435 |
| 52 | 20 | 3 | 23 | 13.0435 |
| 53 | 20 | 3 | 23 | 13.0435 |
| 54 | 20 | 3 | 23 | 13.0435 |
| 55 | 20 | 3 | 23 | 13.0435 |
| 56 | 20 | 3 | 23 | 13.0435 |
| 57 | 20 | 3 | 23 | 13.0435 |
| 58 | 20 | 3 | 23 | 13.0435 |
| 59 | 20 | 3 | 23 | 13.0435 |
| 60 | 19 | 4 | 23 | 17.3913 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS: .  120
SENSØR PÉRIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT=RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 61 | 19 | 4 | 23 | 17.3913 |
| 62 | 19 | 4 | 23 | 17.3913 |
| 63 | 19 | 4 | 23 | 17.3913 |
| 64 | 19 | 4 | 23 | 17.3913 |
| 65 | 19 | 4 | 23 | 17.3913 |
| 66 | 19 | 4 | 23 | 17.3913 |
| 67 | 19 | 4 | 23 | 17.3913 |
| 68 | 19 | 4 | 23 | 17.3913 |
| 69 | 19 | 4 | 23 | 17.3913 |
| 70 | 19 | 4 | 23 | 17.3913 |
| 71 | 19 | 4 | 23 | 17.3913 |
| 72 | 19 | 4 | 23 | 17.3913 |
| 73 | 19 | 4 | 23 | 17.3913 |
| 74 | 19 | 4 | 23 | 17.3913 |
| 75 | 19 | 4 | 23 | 17.3913 |
| 76 | 19 | 4 | 23 | 17.3913 |
| 77 | 19 | 4 | 23 | 17.3913 |
| 78 | 19 | 4 | 23 | 17.3913 |
| 79 | 19 | 4 | 23 | 17.3913 |
| 80 | 19 | 4 | 23 | 17.3913 |
| 81 | 19 | 4 | 23 | 17.3913 |
| 82 | 19 | 4 | 23 | 17.3913 |
| 83 | 19 | 4 | 23 | 17.3913 |
| 84 | 18 | 5 | 23 | 21.7391 |
| 85 | 18 | 5 | 23 | 21.7391 |
| 86 | 18 | 5 | 23 | 21.7391 |
| 87 | 18 | 5 | 23 | 21.7391 |
| 88 | 18 | 5 | 23 | 21.7391 |
| 89 | 18 | 5 | 23 | 21.7391 |
| 90 | 18 | 5 | 23 | 21.7391 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS· TURN ØN, RANDØM TIME SLØT


RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 18 | 5 | 23 | 21.7391 |
| 92 | 18 | 5 | 23 | 21.7391 |
| 93 | 18 | 5 | 23 | 21.7391 |
| 94 | 18 | 5 | 23 | 21.7391 |
| 95 | 18 | 5 | 23 | 21.7391 |
| 96 | 18 | 5 | 23 | 21.7391 |
| 97 | 18 | 5 | 23 | 21.7391 |
| 98 | 18 | 5 | 23 | 21.7391 |
| 99 | 18 | 5 | 23 | 21.7391 |
| 100 | 18 | 5 | 23 | 21.7391 |
| 101 | 18 | 5 | 23 | 21.7391 |
| 102 | 18 | 5 | 23 | 21.7391 |
| 103 | 17 | 6 | 23 | 26.0870 |
| 104 | 17 | 6 | 23 | 26.0870 |
| 105 | 17 | 6 | 23 | 26.0870 |
| 106 | 17 | 6 | 23 | 26.0870 |
| 107 | 17 | 6 | 23 | 26.0870 |
| 108 | 17 | 6 | 23 | 26.0870 |
| 109 | 17 | 6 | 23 | 26.0870 |
| 110 | 17 | 6 | 23 | 26.0870 |
| 111 | 17 | 6 | 23 | 26.0870 |
| 112 | 17 | 6 | 23 | 26.0870 |
| 113 | 17 | 6 | 23 | 26.0870 |
| 114 | 17 | 6 | 23 | 26.0870 |
| 115 | 17 | 6 | 23 | 26.0870 |
| 116 | 17 | 6 | 23 | 26.0870 |
| 117 | 17 | 6 | 23 | 26.0870 |
| 118 | 17 | 6 | 23 | 26.0870 |
| 119 | 16 | 7 | 23 | 30.4348 |
| 120 | 16 | 7 | 23 | 30.4348 |
| TØTAL | 2367 | 393 | 2760 | 14.2391 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 22 | 1 | 23 | 4.3478 |
| 2 | 22 | 1 | 23 | 4.3478 |
| 3 | 22 | 1 | 23 | 4.3478 |
| 4 | 22 | 1 | 23 | 4.3478 |
| 5 | 22 | 1 | 23 | 4.3478 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 22 | 1 | 23 | 4.3478 |
| 8 | 22 | 1 | 23 | 4.3478 |
| 9 | 22 | 1 | 23 | 4.3478 |
| 10 | 22 | 1 | 23 | 4.3478 |
| 11 | 22 | 1 | 23 | 4.3478 |
| 12 | 22 | 1 | 23 | 4.3478 |
| 13 | 22 | 1 | 23 | 4.3478 |
| 14 | 22 | 1 | 23 | 4.3478 |
| 15 | 22 | 1 | 23 | 4.3478 |
| 16 | 22 | 1 | 23 | 4.3478 |
| 17 | 22 | 1 | 23 | 4.3478 |
| 18 | 22 | 1 | 23 | 4.3478 |
| 19 | 22 | 1 | 23 | 4.3478 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 22 | 1 | 23 | 4.3478 |
| 22 | 22 | 1 | 23 | 4.3478 |
| 23 | 22 | 1 | 23 | 4.3478 |
| 24 | 22 | 1 | 23 | 4.3478 |
| 25 | 22 | 1 | 23 | 4.3478 |
| 26 | 22 | 1 | 23 | 4.3478 |
| 27 | 22 | 1 | 23 | 4.3478 |
| 28 | 22 | 1 | 23 | 4.3478 |
| 29 | 22 | 1 | 23 | 4.3478 |
| 30 | 22 | 1 | 23 | 4.3478 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PÉRIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT-RATE:    2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 22 | 1 | 23 | 4.3478 |
| 32 | 22 | 1 | 23 | 4.3478 |
| 33 | 22 | 1 | 23 | 4.3478 |
| 34 | 22 | 1 | 23 | 4.3478 |
| 35 | 22 | 1 | 23 | 4.3478 |
| 36 | 22 | 1 | 23 | 4.3478 |
| 37 | 22 | 1 | 23 | 4.3478 |
| 38 | 22 | 1 | 23 | 4.3478 |
| 39 | 22 | 1 | 23 | 4.3478 |
| 40 | 22 | 1 | 23 | 4.3478 |
| 41 | 22 | 1 | 23 | 4.3478 |
| 42 | 22 | 1 | 23 | 4.3478 |
| 43 | 22 | 1 | 23 | 4.3478 |
| 44 | 22 | 1 | 23 | 4.3478 |
| 45 | 22 | 1 | 23 | 4.3478 |
| 46 | 22 | 1 | 23 | 4.3478 |
| 47 | 22 | 1 | 23 | 4.3478 |
| 48 | 22 | 1 | 23 | 4.3478 |
| 49 | 22 | 1 | 23 | 4.3478 |
| 50 | 22 | 1 | 23 | 4.3478 |
| 51 | 22 | 1 | 23 | 4.3478 |
| 52 | 22 | 1 | 23 | 4.3478 |
| 53 | 22 | 1 | 23 | 4.3478 |
| 54 | 22 | 1 | 23 | 4.3478 |
| 55 | 22 | 1 | 23 | 4.3478 |
| 56 | 22 | 1 | 23 | 4.3478 |
| 57 | 22 | 1 | 23 | 4.3478 |
| 58 | 22 | 1 | 23 | 4.3478 |
| 59 | 22 | 1 | 23 | 4.3478 |
| 60 | 22 | 1 | 23 | 4.3478 |

RUN DATA:

NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 22 | 1 | 23 | 4.3478 |
| 62 | 22 | 1 | 23 | 4.3478 |
| 63 | 22 | 1 | 23 | 4.3478 |
| 64 | 22 | 1 | 23 | 4.3478 |
| 65 | 22 | 1 | 23 | 4.3478 |
| 66 | 22 | 1 | 23 | 4.3478 |
| 67 | 22 | 1 | 23 | 4.3478 |
| 68 | 22 | 1 | 23 | 4.3478 |
| 69 | 22 | 1 | 23 | 4.3478 |
| 70 | 22 | 1 | 23 | 4.3478 |
| 71 | 22 | 1 | 23 | 4.3478 |
| 72 | 22 | 1 | 23 | 4.3478 |
| 73 | 22 | 1 | 23 | 4.3478 |
| 74 | 22 | 1 | 23 | 4.3478 |
| 75 | 22 | 1 | 23 | 4.3478 |
| 76 | 22 | 1 | 23 | 4.3478 |
| 77 | 22 | 1 | 23 | 4.3478 |
| 78 | 22 | 1 | 23 | 4.3478 |
| 79 | 22 | 1 | 23 | 4.3478 |
| 80 | 22 | 1 | 23 | 4.3478 |
| 81 | 21 | 1 | 22 | 4.5455 |
| 82 | 21 | 1 | 22 | 4.5455 |
| 83 | 21 | 1 | 22 | 4.5455 |
| 84 | 21 | 1 | 22 | 4.5455 |
| 85 | 21 | 1 | 22 | 4.5455 |
| 86 | 21 | 1 | 22 | 4.5455 |
| 87 | 21 | 1 | 22 | 4.5455 |
| 88 | 21 | 1 | 22 | 4.5455 |
| 89 | 21 | 1 | 22 | 4.5455 |
| 90 | 20 | 2 | 22 | 9.0909 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:     300. SEC
SENSØR BUFFER:     5240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:     2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 20 | 2 | 22 | 9.0909 |
| 92 | 19 | 3 | 22 | 13.6364 |
| 93 | 19 | 3 | 22 | 13.6364 |
| 94 | 19 | 3 | 22 | 13.6364 |
| 95 | 19 | 3 | 22 | 13.6364 |
| 96 | 19 | 3 | 22 | 13.6364 |
| 97 | 19 | 3 | 22 | 13.6364 |
| 98 | 19 | 3 | 22 | 13.6364 |
| 99 | 19 | 3 | 22 | 13.6364 |
| 100 | 19 | 3 | 22 | 13.6364 |
| 101 | 19 | 3 | 22 | 13.6364 |
| 102 | 19 | 3 | 22 | 13.6364 |
| 103 | 19 | 3 | 22 | 13.6364 |
| 104 | 19 | 3 | 22 | 13.6364 |
| 105 | 19 | 3 | 22 | 13.6364 |
| 106 | 19 | 3 | 22 | 13.6364 |
| 107 | 19 | 3 | 22 | 13.6364 |
| 108 | 19 | 3 | 22 | 13.6364 |
| 109 | 19 | 3 | 22 | 13.6364 |
| 110 | 19 | 3 | 22 | 13.6364 |
| 111 | 19 | 3 | 22 | 13.6364 |
| 112 | 19 | 3 | 22 | 13.6364 |
| 113 | 19 | 3 | 22 | 13.6364 |
| 114 | 19 | 3 | 22 | 13.6364 |
| 115 | 19 | 3 | 22 | 13.6364 |
| 116 | 19 | 3 | 22 | 13.6364 |
| 117 | 18 | 4 | 22 | 18.1818 |
| 118 | 17 | 5 | 22 | 22.7273 |
| 119 | 17 | 5 | 22 | 22.7273 |
| 120 | 17 | 5 | 22 | 22.7273 |
| TØTAL | 2533 | 187 | 2720 | 6.8750 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:      30. SEC
SENSØR BUFFER:   10240 BITS
TRANSMIT RATE:     300 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:    2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 0 | 238 | 238 | 100.0000 |
| 2 | 0 | 238 | 238 | 100.0000 |
| 3 | 0 | 238 | 238 | 100.0000 |
| 4 | 0 | 238 | 238 | 100.0000 |
| 5 | 0 | 238 | 238 | 100.0000 |
| TØTAL | 0 | 1190 | 1190 | 100.0000 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER:  10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|--------|------|---------|-------|---------|
| 1 | 187 | 52 | 239 | 21.7573 |
| 2 | 181 | 58 | 239 | 24.2678 |
| 3 | 180 | 59 | 239 | 24.6862 |
| 4 | 180 | 59 | 239 | 24.6862 |
| 5 | 144 | 95 | 239 | 39.7490 |
| TØTAL | 872 | 323 | 1195 | 27.0293 |

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 230  | 9   | 239 | 3.7657 |
| 2  | 229  | 10  | 239 | 4.1841 |
| 3  | 229  | 10  | 239 | 4.1841 |
| 4  | 228  | 11  | 239 | 4.6025 |
| 5  | 180  | 59  | 239 | 24.6862 |
| 6  | 32   | 206 | 238 | 86.5546 |
| 7  | 0    | 238 | 238 | 100.0000 |
| 8  | 0    | 238 | 238 | 100.0000 |
| 9  | 0    | 238 | 238 | 100.0000 |
| 10 | 0    | 238 | 238 | 100.0000 |
| TØTAL | 1128 | 1257 | 2385 | 52.7044 |

DUMB SENSORS, GROUP POLLING, SIMULTANEOUS TURN ON, RANDOM TIME SLOT

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 214 | 25 | 239 | 10.4603 |
| 2 | 213 | 26 | 239 | 10.8787 |
| 3 | 211 | 28 | 239 | 11.7155 |
| 4 | 210 | 29 | 239 | 12.1339 |
| 5 | 162 | 77 | 239 | 32.2176 |
| 6 | 29 | 209 | 238 | 87.8151 |
| 7 | 0 | 238 | 238 | 100.0000 |
| 8 | 0 | 238 | 238 | 100.0000 |
| 9 | 0 | 238 | 238 | 100.0000 |
| 10 | 0 | 238 | 238 | 100.0000 |
| TOTAL | 1039 | 1346 | 2385 | 56.4361 |

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:     240
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 153 | 86 | 239 | 35.9833 |
| 2 | 151 | 88 | 239 | 36.8201 |
| 3 | 149 | 90 | 239 | 37.6569 |
| 4 | 148 | 91 | 239 | 38.0753 |
| 5 | 148 | 91 | 239 | 38.0753 |
| 6 | 148 | 91 | 239 | 38.0753 |
| 7 | 146 | 93 | 239 | 38.9121 |
| 8 | 146 | 93 | 239 | 38.9121 |
| 9 | 146 | 93 | 239 | 38.9121 |
| 10 | 145 | 94 | 239 | 39.3305 |
| TØTAL | 1480 | 910 | 2390 | 38.0753 |

DUMB SENSØRS, GRØUP PØLLING, SIMULTANEØUS TURN ØN, RANDØM TIME SLØT

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 222 | 16 | 238 | 6.7227 |
| 2 | 221 | 17 | 238 | 7.1429 |
| 3 | 221 | 17 | 238 | 7.1429 |
| 4 | 220 | 18 | 238 | 7.5630 |
| 5 | 220 | 18 | 238 | 7.5630 |
| 6 | 220 | 18 | 238 | 7.5630 |
| 7 | 220 | 18 | 238 | 7.5630 |
| 8 | 220 | 18 | 238 | 7.5630 |
| 9 | 220 | 18 | 238 | 7.5630 |
| 10 | 220 | 18 | 238 | 7.5630 |
| 11 | 220 | 18 | 238 | 7.5630 |
| 12 | 108 | 130 | 238 | 54.6218 |
| 13 | 18 | 220 | 238 | 92.4370 |
| 14 | 0 | 238 | 238 | 100.0000 |
| 15 | 0 | 238 | 238 | 100.0000 |
| 16 | 0 | 238 | 238 | 100.0000 |
| 17 | 0 | 238 | 238 | 100.0000 |
| 18 | 0 | 238 | 238 | 100.0000 |
| 19 | 0 | 238 | 238 | 100.0000 |
| 20 | 0 | 238 | 238 | 100.0000 |
| TØTAL | 2550 | 2210 | 4760 | 46.4286 |

RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PÉRIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT=RATE:   4800 BPS
BITS PER PØLL:    240
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 224  | 15  | 239 | 6.2762 |
| 2  | 224  | 15  | 239 | 6.2762 |
| 3  | 224  | 15  | 239 | 6.2762 |
| 4  | 224  | 15  | 239 | 6.2762 |
| 5  | 224  | 15  | 239 | 6.2762 |
| 6  | 223  | 16  | 239 | 6.6946 |
| 7  | 223  | 16  | 239 | 6.6946 |
| 8  | 222  | 17  | 239 | 7.1130 |
| 9  | 222  | 17  | 239 | 7.1130 |
| 10 | 222  | 17  | 239 | 7.1130 |
| 11 | 222  | 17  | 239 | 7.1130 |
| 12 | 104  | 135 | 239 | 56.4854 |
| 13 | 15   | 223 | 238 | 93.6975 |
| 14 | 0    | 238 | 238 | 100.0000 |
| 15 | 0    | 238 | 238 | 100.0000 |
| 16 | 0    | 238 | 238 | 100.0000 |
| 17 | 0    | 238 | 238 | 100.0000 |
| 18 | 0    | 238 | 238 | 100.0000 |
| 19 | 0    | 238 | 238 | 100.0000 |
| 20 | 0    | 238 | 238 | 100.0000 |
| TØTAL | 2573 | 2199 | 4772 | 46.0813 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 9 | 0 | 9 | 0.0000 |
| 2 | 7 | 0 | 7 | 0.0000 |
| 3 | 10 | 0 | 10 | 0.0000 |
| 4 | 9 | 0 | 9 | 0.0000 |
| 5 | 8 | 0 | 8 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 43 | 0 | 43 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 10
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN: 2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 9 | 0 | 9 | 0.0000 |
| 2 | 9 | 0 | 9 | 0.0000 |
| 3 | 8 | 0 | 8 | 0.0000 |
| 4 | 7 | 0 | 7 | 0.0000 |
| 5 | 10 | 0 | 10 | 0.0000 |
| 6 | 6 | 1 | 7 | 14.2857 |
| 7 | 6 | 1 | 7 | 14.2857 |
| 8 | 10 | 0 | 10 | 0.0000 |
| 9 | 7 | 0 | 7 | 0.0000 |
| 10 | 6 | 1 | 7 | 14.2857 |
| TØTAL | 78 | 3 | 81 | 3.7037 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 8 | 2 | 10 | 20.0000 |
| 2 | 10 | 1 | 11 | 9.0909 |
| 3 | 4 | 2 | 6 | 33.3333 |
| 4 | 6 | 1 | 7 | 14.2857 |
| 5 | 7 | 0 | 7 | 0.0000 |
| 6 | 7 | 2 | 9 | 22.2222 |
| 7 | 5 | 1 | 6 | 16.6667 |
| 8 | 14 | 1 | 15 | 6.6667 |
| 9 | 6 | 1 | 7 | 14.2857 |
| 10 | 5 | 2 | 7 | 28.5714 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 72 | 13 | 85 | 15.2941 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 30
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 10 | 0 | 10 | 0.0000 |
| 2 | 9 | 0 | 9 | 0.0000 |
| 3 | 12 | 0 | 12 | 0.0000 |
| 4 | 11 | 0 | 11 | 0.0000 |
| 5 | 13 | 0 | 13 | 0.0000 |
| 6 | 11 | 0 | 11 | 0.0000 |
| 7 | 16 | 0 | 16 | 0.0000 |
| 8 | 9 | 0 | 9 | 0.0000 |
| 9 | 6 | 0 | 6 | 0.0000 |
| 10 | 11 | 0 | 11 | 0.0000 |
| 11 | 12 | 0 | 12 | 0.0000 |
| 12 | 10 | 0 | 10 | 0.0000 |
| 13 | 14 | 0 | 14 | 0.0000 |
| 14 | 9 | 0 | 9 | 0.0000 |
| 15 | 11 | 0 | 11 | 0.0000 |
| 16 | 7 | 0 | 7 | 0.0000 |
| 17 | 7 | 0 | 7 | 0.0000 |
| 18 | 10 | 0 | 10 | 0.0000 |
| 19 | 12 | 0 | 12 | 0.0000 |
| 20 | 11 | 0 | 11 | 0.0000 |
| 21 | 11 | 0 | 11 | 0.0000 |
| 22 | 9 | 0 | 9 | 0.0000 |
| 23 | 13 | 0 | 13 | 0.0000 |
| 24 | 12 | 0 | 12 | 0.0000 |
| 25 | 10 | 0 | 10 | 0.0000 |
| 26 | 14 | 0 | 14 | 0.0000 |
| 27 | 11 | 0 | 11 | 0.0000 |
| 28 | 12 | 0 | 12 | 0.0000 |
| 29 | 14 | 0 | 14 | 0.0000 |
| 30 | 9 | 0 | 9 | 0.0000 |
| TØTAL | 326 | 0 | 326 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PÉRIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 11 | 0 | 11 | 0.0000 |
| 2 | 11 | 0 | 11 | 0.0000 |
| 3 | 14 | 0 | 14 | 0.0000 |
| 4 | 9 | 0 | 9 | 0.0000 |
| 5 | 12 | 0 | 12 | 0.0000 |
| 6 | 12 | 0 | 12 | 0.0000 |
| 7 | 14 | 0 | 14 | 0.0000 |
| 8 | 10 | 0 | 10 | 0.0000 |
| 9 | 8 | 0 | 8 | 0.0000 |
| 10 | 9 | 0 | 9 | 0.0000 |
| 11 | 12 | 0 | 12 | 0.0000 |
| 12 | 8 | 0 | 8 | 0.0000 |
| 13 | 12 | 0 | 12 | 0.0000 |
| 14 | 12 | 0 | 12 | 0.0000 |
| 15 | 10 | 0 | 10 | 0.0000 |
| 16 | 14 | 0 | 14 | 0.0000 |
| 17 | 10 | 0 | 10 | 0.0000 |
| 18 | 13 | 0 | 13 | 0.0000 |
| 19 | 6 | 0 | 6 | 0.0000 |
| 20 | 13 | 0 | 13 | 0.0000 |
| 21 | 8 | 0 | 8 | 0.0000 |
| 22 | 13 | 0 | 13 | 0.0000 |
| 23 | 11 | 0 | 11 | 0.0000 |
| 24 | 10 | 0 | 10 | 0.0000 |
| 25 | 6 | 0 | 6 | 0.0000 |
| 26 | 15 | 0 | 15 | 0.0000 |
| 27 | 8 | 0 | 8 | 0.0000 |
| 28 | 13 | 0 | 13 | 0.0000 |
| 29 | 14 | 0 | 14 | 0.0000 |
| 30 | 7 | 0 | 7 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 8 | 0 | 8 | 0.0000 |
| 32 | 10 | 0 | 10 | 0.0000 |
| 33 | 9 | 0 | 9 | 0.0000 |
| 34 | 15 | 1 | 16 | 6.2500 |
| 35 | 7 | 1 | 8 | 12.5000 |
| 36 | 9 | 0 | 9 | 0.0000 |
| 37 | 9 | 0 | 9 | 0.0000 |
| 38 | 12 | 1 | 13 | 7.6923 |
| 39 | 13 | 0 | 13 | 0.0000 |
| 40 | 10 | 1 | 11 | 9.0909 |
| 41 | 14 | 1 | 15 | 6.6667 |
| 42 | 13 | 0 | 13 | 0.0000 |
| 43 | 12 | 0 | 12 | 0.0000 |
| 44 | 10 | 0 | 10 | 0.0000 |
| 45 | 13 | 0 | 13 | 0.0000 |
| 46 | 12 | 0 | 12 | 0.0000 |
| 47 | 9 | 1 | 10 | 10.0000 |
| 48 | 10 | 0 | 10 | 0.0000 |
| 49 | 9 | 0 | 9 | 0.0000 |
| 50 | 8 | 1 | 9 | 11.1111 |
| 51 | 12 | 1 | 13 | 7.6923 |
| 52 | 11 | 1 | 12 | 8.3333 |
| 53 | 15 | 0 | 15 | 0.0000 |
| 54 | 11 | 1 | 12 | 8.3333 |
| 55 | 9 | 0 | 9 | 0.0000 |
| 56 | 12 | 0 | 12 | 0.0000 |
| 57 | 10 | 1 | 11 | 9.0909 |
| 58 | 14 | 0 | 14 | 0.0000 |
| 59 | 11 | 1 | 12 | 8.3333 |
| 60 | 8 | 0 | 8 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 61 | 12 | 0 | 12 | 0.0000 |
| 62 | 9 | 0 | 9 | 0.0000 |
| 63 | 16 | 1 | 17 | 5.8824 |
| 64 | 9 | 0 | 9 | 0.0000 |
| 65 | 9 | 0 | 9 | 0.0000 |
| 66 | 10 | 0 | 10 | 0.0000 |
| 67 | 7 | 1 | 8 | 12.5000 |
| 68 | 8 | 1 | 9 | 11.1111 |
| 69 | 18 | 0 | 18 | 0.0000 |
| 70 | 11 | 1 | 12 | 8.3333 |
| 71 | 12 | 0 | 12 | 0.0000 |
| 72 | 14 | 1 | 15 | 6.6667 |
| 73 | 12 | 1 | 13 | 7.6923 |
| 74 | 6 | 0 | 6 | 0.0000 |
| 75 | 8 | 1 | 9 | 11.1111 |
| 76 | 14 | 0 | 14 | 0.0000 |
| 77 | 10 | 0 | 10 | 0.0000 |
| 78 | 7 | 0 | 7 | 0.0000 |
| 79 | 9 | 1 | 10 | 10.0000 |
| 80 | 10 | 0 | 10 | 0.0000 |
| 81 | 11 | 1 | 12 | 8.3333 |
| 82 | 6 | 0 | 6 | 0.0000 |
| 83 | 11 | 2 | 13 | 15.3846 |
| 84 | 4 | 2 | 6 | 33.3333 |
| 85 | 10 | 0 | 10 | 0.0000 |
| 86 | 9 | 1 | 10 | 10.0000 |
| 87 | 9 | 0 | 9 | 0.0000 |
| 88 | 10 | 0 | 10 | 0.0000 |
| 89 | 10 | 1 | 11 | 9.0909 |
| 90 | 14 | 0 | 14 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91 | 13 | 1 | 14 | 7.1429 |
| 92 | 12 | 2 | 14 | 14.2857 |
| 93 | 12 | 0 | 12 | 0.0000 |
| 94 | 10 | 2 | 12 | 16.6667 |
| 95 | 9 | 0 | 9 | 0.0000 |
| 96 | 8 | 1 | 9 | 11.1111 |
| 97 | 13 | 1 | 14 | 7.1429 |
| 98 | 9 | 2 | 11 | 18.1818 |
| 99 | 11 | 1 | 12 | 8.3333 |
| 100 | 13 | 2 | 15 | 13.3333 |
| 101 | 11 | 0 | 11 | 0.0000 |
| 102 | 8 | 1 | 9 | 11.1111 |
| 103 | 10 | 1 | 11 | 9.0909 |
| 104 | 11 | 0 | 11 | 0.0000 |
| 105 | 8 | 2 | 10 | 20.0000 |
| 106 | 7 | 0 | 7 | 0.0000 |
| 107 | 8 | 1 | 9 | 11.1111 |
| 108 | 7 | 0 | 7 | 0.0000 |
| 109 | 9 | 1 | 10 | 10.0000 |
| 110 | 12 | 2 | 14 | 14.2857 |
| 111 | 9 | 0 | 9 | 0.0000 |
| 112 | 8 | 1 | 9 | 11.1111 |
| 113 | 12 | 3 | 15 | 20.0000 |
| 114 | 9 | 3 | 12 | 25.0000 |
| 115 | 8 | 1 | 9 | 11.1111 |
| 116 | 5 | 2 | 7 | 28.5714 |
| 117 | 11 | 0 | 11 | 0.0000 |
| 118 | 15 | 1 | 16 | 6.2500 |
| 119 | 9 | 1 | 10 | 10.0000 |
| 120 | 10 | 1 | 11 | 9.0909 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1252 | 60 | 1312 | 4.5732 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:   120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 13 | 0 | 13 | 0.0000 |
| 2 | 13 | 0 | 13 | 0.0000 |
| 3 | 11 | 0 | 11 | 0.0000 |
| 4 | 10 | 0 | 10 | 0.0000 |
| 5 | 7 | 0 | 7 | 0.0000 |
| 6 | 14 | 0 | 14 | 0.0000 |
| 7 | 12 | 0 | 12 | 0.0000 |
| 8 | 10 | 0 | 10 | 0.0000 |
| 9 | 13 | 0 | 13 | 0.0000 |
| 10 | 9 | 0 | 9 | 0.0000 |
| 11 | 11 | 0 | 11 | 0.0000 |
| 12 | 10 | 0 | 10 | 0.0000 |
| 13 | 9 | 0 | 9 | 0.0000 |
| 14 | 11 | 0 | 11 | 0.0000 |
| 15 | 10 | 0 | 10 | 0.0000 |
| 16 | 8 | 0 | 8 | 0.0000 |
| 17 | 6 | 0 | 6 | 0.0000 |
| 18 | 12 | 0 | 12 | 0.0000 |
| 19 | 13 | 0 | 13 | 0.0000 |
| 20 | 12 | 0 | 12 | 0.0000 |
| 21 | 12 | 0 | 12 | 0.0000 |
| 22 | 14 | 0 | 14 | 0.0000 |
| 23 | 14 | 0 | 14 | 0.0000 |
| 24 | 12 | 0 | 12 | 0.0000 |
| 25 | 15 | 0 | 15 | 0.0000 |
| 26 | 7 | 0 | 7 | 0.0000 |
| 27 | 10 | 0 | 10 | 0.0000 |
| 28 | 14 | 0 | 14 | 0.0000 |
| 29 | 11 | 0 | 11 | 0.0000 |
| 30 | 11 | 0 | 11 | 0.0000 |

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 10 | 0 | 10 | 0.0000 |
| 62 | 11 | 0 | 11 | 0.0000 |
| 63 | 11 | 0 | 11 | 0.0000 |
| 64 | 17 | 0 | 17 | 0.0000 |
| 65 | 7 | 0 | 7 | 0.0000 |
| 66 | 9 | 0 | 9 | 0.0000 |
| 67 | 12 | 0 | 12 | 0.0000 |
| 68 | 12 | 0 | 12 | 0.0000 |
| 69 | 6 | 0 | 6 | 0.0000 |
| 70 | 8 | 0 | 8 | 0.0000 |
| 71 | 13 | 0 | 13 | 0.0000 |
| 72 | 11 | 0 | 11 | 0.0000 |
| 73 | 13 | 0 | 13 | 0.0000 |
| 74 | 11 | 0 | 11 | 0.0000 |
| 75 | 6 | 0 | 6 | 0.0000 |
| 76 | 11 | 0 | 11 | 0.0000 |
| 77 | 12 | 0 | 12 | 0.0000 |
| 78 | 16 | 0 | 16 | 0.0000 |
| 79 | 10 | 0 | 10 | 0.0000 |
| 80 | 15 | 0 | 15 | 0.0000 |
| 81 | 10 | 0 | 10 | 0.0000 |
| 82 | 12 | 0 | 12 | 0.0000 |
| 83 | 13 | 0 | 13 | 0.0000 |
| 84 | 9 | 0 | 9 | 0.0000 |
| 85 | 7 | 0 | 7 | 0.0000 |
| 86 | 14 | 0 | 14 | 0.0000 |
| 87 | 10 | 0 | 10 | 0.0000 |
| 88 | 12 | 0 | 12 | 0.0000 |
| 89 | 10 | 0 | 10 | 0.0000 |
| 90 | 8 | 0 | 8 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:    2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 10 | 0 | 10 | 0.0000 |
| 92 | 10 | 0 | 10 | 0.0000 |
| 93 | 15 | 0 | 15 | 0.0000 |
| 94 | 11 | 0 | 11 | 0.0000 |
| 95 | 11 | 0 | 11 | 0.0000 |
| 96 | 11 | 0 | 11 | 0.0000 |
| 97 | 8 | 0 | 8 | 0.0000 |
| 98 | 11 | 0 | 11 | 0.0000 |
| 99 | 15 | 0 | 15 | 0.0000 |
| 100 | 12 | 0 | 12 | 0.0000 |
| 101 | 8 | 0 | 8 | 0.0000 |
| 102 | 12 | 0 | 12 | 0.0000 |
| 103 | 14 | 0 | 14 | 0.0000 |
| 104 | 8 | 0 | 8 | 0.0000 |
| 105 | 10 | 0 | 10 | 0.0000 |
| 106 | 10 | 0 | 10 | 0.0000 |
| 107 | 10 | 0 | 10 | 0.0000 |
| 108 | 12 | 0 | 12 | 0.0000 |
| 109 | 8 | 0 | 8 | 0.0000 |
| 110 | 7 | 0 | 7 | 0.0000 |
| 111 | 13 | 0 | 13 | 0.0000 |
| 112 | 12 | 0 | 12 | 0.0000 |
| 113 | 12 | 0 | 12 | 0.0000 |
| 114 | 7 | 0 | 7 | 0.0000 |
| 115 | 14 | 0 | 14 | 0.0000 |
| 116 | 13 | 0 | 13 | 0.0000 |
| 117 | 19 | 0 | 19 | 0.0000 |
| 118 | 11 | 0 | 11 | 0.0000 |
| 119 | 14 | 0 | 14 | 0.0000 |
| 120 | 13 | 0 | 13 | 0.0000 |
| TØTAL | 1336 | 0 | 1336 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:      300 BPS
BITS PER PØLL:      240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 0 | 68 | 68 | 100.0000 |
| 2 | 0 | 103 | 103 | 100.0000 |
| 3 | 0 | 109 | 109 | 100.0000 |
| 4 | 0 | 114 | 114 | 100.0000 |
| 5 | 0 | 116 | 116 | 100.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 0 | 510 | 510 | 100.0000 |

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INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 104 | 6 | 110 | 5.4545 |
| 2 | 113 | 8 | 121 | 6.6116 |
| 3 | 110 | 6 | 116 | 5.1724 |
| 4 | 101 | 8 | 109 | 7.3394 |
| 5 | 104 | 7 | 111 | 6.3063 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 532 | 35 | 567 | 6.1728 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 103 | 5 | 108 | 4.6296 |
| 2 | 115 | 9 | 124 | 7.2581 |
| 3 | 103 | 9 | 112 | 8.0357 |
| 4 | 102 | 7 | 109 | 6.4220 |
| 5 | 99 | 8 | 107 | 7.4766 |
| 6 | 89 | 9 | 98 | 9.1837 |
| 7 | 93 | 18 | 111 | 16.2162 |
| 8 | 73 | 30 | 103 | 29.1262 |
| 9 | 61 | 36 | 97 | 37.1134 |
| 10 | 46 | 56 | 102 | 54.9020 |
| TØTAL | 884 | 187 | 1071 | 17.4603 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 107 | 6 | 113 | 5.3097 |
| 2 | 96 | 10 | 106 | 9.4340 |
| 3 | 101 | 10 | 111 | 9.0090 |
| 4 | 90 | 4 | 94 | 4.2553 |
| 5 | 108 | 9 | 117 | 7.6923 |
| 6 | 112 | 6 | 118 | 5.0847 |
| 7 | 99 | 13 | 112 | 11.6071 |
| 8 | 69 | 34 | 103 | 33.0097 |
| 9 | 52 | 52 | 104 | 50.0000 |
| 10 | 43 | 57 | 100 | 57.0000 |
| TØTAL | 877 | 201 | 1078 | 18.6456 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:

NØ ØF SENSØRS:      10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 99 | 12 | 111 | 10.8108 |
| 2 | 103 | 14 | 117 | 11.9658 |
| 3 | 99 | 8 | 107 | 7.4766 |
| 4 | 119 | 8 | 127 | 6.2992 |
| 5 | 102 | 13 | 115 | 11.3043 |
| 6 | 104 | 9 | 113 | 7.9646 |
| 7 | 100 | 12 | 112 | 10.7143 |
| 8 | 102 | 11 | 113 | 9.7345 |
| 9 | 116 | 9 | 125 | 7.2000 |
| 10 | 104 | 15 | 119 | 12.6050 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1048 | 111 | 1159 | 9.5772 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 114 | 0 | 114 | 0.0000 |
| 2 | 125 | 0 | 125 | 0.0000 |
| 3 | 113 | 0 | 113 | 0.0000 |
| 4 | 117 | 0 | 117 | 0.0000 |
| 5 | 108 | 0 | 108 | 0.0000 |
| 6 | 112 | 0 | 112 | 0.0000 |
| 7 | 110 | 0 | 110 | 0.0000 |
| 8 | 114 | 0 | 114 | 0.0000 |
| 9 | 117 | 0 | 117 | 0.0000 |
| 10 | 116 | 0 | 116 | 0.0000 |
| 11 | 120 | 0 | 120 | 0.0000 |
| 12 | 120 | 0 | 120 | 0.0000 |
| 13 | 118 | 1 | 119 | 0.8403 |
| 14 | 111 | 4 | 115 | 3.4783 |
| 15 | 93 | 14 | 107 | 13.0841 |
| 16 | 75 | 27 | 102 | 26.4706 |
| 17 | 68 | 40 | 108 | 37.0370 |
| 18 | 48 | 63 | 111 | 56.7568 |
| 19 | 33 | 76 | 109 | 69.7248 |
| 20 | 23 | 92 | 115 | 80.0000 |
| TØTAL | 1955 | 317 | 2272 | 13.9525 |

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INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:      20
SENSØR PERIØD:      30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 114 | 6 | 120 | 5.0000 |
| 2 | 103 | 6 | 109 | 5.5046 |
| 3 | 107 | 9 | 116 | 7.7586 |
| 4 | 110 | 5 | 115 | 4.3478 |
| 5 | 110 | 6 | 116 | 5.1724 |
| 6 | 117 | 11 | 128 | 8.5938 |
| 7 | 107 | 11 | 118 | 9.3220 |
| 8 | 99 | 10 | 109 | 9.1743 |
| 9 | 105 | 8 | 113 | 7.0796 |
| 10 | 116 | 6 | 122 | 4.9180 |
| 11 | 100 | 9 | 109 | 8.2569 |
| 12 | 103 | 10 | 113 | 8.8496 |
| 13 | 105 | 9 | 114 | 7.8947 |
| 14 | 107 | 15 | 122 | 12.2951 |
| 15 | 95 | 16 | 111 | 14.4144 |
| 16 | 86 | 22 | 108 | 20.3704 |
| 17 | 67 | 48 | 115 | 41.7391 |
| 18 | 40 | 61 | 101 | 60.3960 |
| 19 | 28 | 67 | 95 | 70.5263 |
| 20 | 25 | 80 | 105 | 76.1905 |
| TØTAL | 1844 | 415 | 2259 | 18.3710 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 20 | 0 | 20 | 0.0000 |
| 2 | 19 | 0 | 19 | 0.0000 |
| 3 | 18 | 0 | 18 | 0.0000 |
| 4 | 16 | 0 | 16 | 0.0000 |
| 5 | 17 | 0 | 17 | 0.0000 |
| | ----- | ----- | ----- | ------- \ |
| TØTAL | 90 | 0 | 90 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 19 | 1 | 20 | 5.0000 |
| 2 | 17 | 1 | 18 | 5.5556 |
| 3 | 17 | 1 | 18 | 5.5556 |
| 4 | 21 | 2 | 23 | 8.6957 |
| 5 | 19 | 3 | 22 | 13.6364 |
| 6 | 17 | 3 | 20 | 15.0000 |
| 7 | 14 | 2 | 16 | 12.5000 |
| 8 | 17 | 3 | 20 | 15.0000 |
| 9 | 15 | 3 | 18 | 16.6667 |
| 10 | 12 | 3 | 15 | 20.0000 |
| TØTAL | 168 | 22 | 190 | 11.5789 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:     240
PROB. OF TGT.:   0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 19 | 0 | 19 | 0.0000 |
| 2 | 16 | 1 | 17 | 5.8824 |
| 3 | 19 | 1 | 20 | 5.0000 |
| 4 | 17 | 1 | 18 | 5.5556 |
| 5 | 20 | 2 | 22 | 9.0909 |
| 6 | 19 | 2 | 21 | 9.5238 |
| 7 | 16 | 2 | 18 | 11.1111 |
| 8 | 14 | 3 | 17 | 17.6471 |
| 9 | 18 | 4 | 22 | 18.1818 |
| 10 | 16 | 5 | 21 | 23.8095 |
| TOTAL | 174 | 21 | 195 | 10.7692 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 21 | 1 | 22 | 4.5455 |
| 2 | 20 | 1 | 21 | 4.7619 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 20 | 1 | 21 | 4.7619 |
| 5 | 20 | 0 | 20 | 0.0000 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 21 | 1 | 22 | 4.5455 |
| 8 | 19 | 1 | 20 | 5.0000 |
| 9 | 18 | 1 | 19 | 5.2632 |
| 10 | 21 | 1 | 22 | 4.5455 |
| 11 | 19 | 1 | 20 | 5.0000 |
| 12 | 18 | 1 | 19 | 5.2632 |
| 13 | 19 | 1 | 20 | 5.0000 |
| 14 | 20 | 1 | 21 | 4.7619 |
| 15 | 19 | 1 | 20 | 5.0000 |
| 16 | 21 | 1 | 22 | 4.5455 |
| 17 | 17 | 1 | 18 | 5.5556 |
| 18 | 18 | 1 | 19 | 5.2632 |
| 19 | 18 | 1 | 19 | 5.2632 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 20 | 0 | 20 | 0.0000 |
| 22 | 18 | 2 | 20 | 10.0000 |
| 23 | 21 | 2 | 23 | 8.6957 |
| 24 | 18 | 2 | 20 | 10.0000 |
| 25 | 19 | 2 | 21 | 9.5238 |
| 26 | 17 | 2 | 19 | 10.5263 |
| 27 | 19 | 1 | 20 | 5.0000 |
| 28 | 19 | 2 | 21 | 9.5238 |
| 29 | 20 | 2 | 22 | 9.0909 |
| 30 | 18 | 1 | 19 | 5.2632 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 583 | 35 | 618 | 5.6634 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 20 | 0 | 20 | 0.0000 |
| 2 | 22 | 0 | 22 | 0.0000 |
| 3 | 20 | 1 | 21 | 4.7619 |
| 4 | 19 | 1 | 20 | 5.0000 |
| 5 | 18 | 1 | 19 | 5.2632 |
| 6 | 21 | 1 | 22 | 4.5455 |
| 7 | 22 | 1 | 23 | 4.3478 |
| 8 | 20 | 1 | 21 | 4.7619 |
| 9 | 19 | 1 | 20 | 5.0000 |
| 10 | 20 | 1 | 21 | 4.7619 |
| 11 | 19 | 1 | 20 | 5.0000 |
| 12 | 20 | 1 | 21 | 4.7619 |
| 13 | 21 | 1 | 22 | 4.5455 |
| 14 | 19 | 1 | 20 | 5.0000 |
| 15 | 21 | 1 | 22 | 4.5455 |
| 16 | 19 | 1 | 20 | 5.0000 |
| 17 | 22 | 1 | 23 | 4.3478 |
| 18 | 21 | 1 | 22 | 4.5455 |
| 19 | 20 | 1 | 21 | 4.7619 |
| 20 | 20 | 1 | 21 | 4.7619 |
| 21 | 20 | 1 | 21 | 4.7619 |
| 22 | 22 | 1 | 23 | 4.3478 |
| 23 | 20 | 1 | 21 | 4.7619 |
| 24 | 18 | 1 | 19 | 5.2632 |
| 25 | 21 | 0 | 21 | 0.0000 |
| 26 | 20 | 2 | 22 | 9.0909 |
| 27 | 20 | 2 | 22 | 9.0909 |
| 28 | 17 | 2 | 19 | 10.5263 |
| 29 | 18 | 2 | 20 | 10.0000 |
| 30 | 20 | 2 | 22 | 9.0909 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 31 | 20 | 2 | 22 | 9.0909 |
| 32 | 17 | 2 | 19 | 10.5263 |
| 33 | 20 | 2 | 22 | 9.0909 |
| 34 | 17 | 2 | 19 | 10.5263 |
| 35 | 19 | 2 | 21 | 9.5238 |
| 36 | 20 | 2 | 22 | 9.0909 |
| 37 | 18 | 2 | 20 | 10.0000 |
| 38 | 20 | 2 | 22 | 9.0909 |
| 39 | 18 | 2 | 20 | 10.0000 |
| 40 | 19 | 2 | 21 | 9.5238 |
| 41 | 20 | 2 | 22 | 9.0909 |
| 42 | 20 | 2 | 22 | 9.0909 |
| 43 | 18 | 2 | 20 | 10.0000 |
| 44 | 18 | 1 | 19 | 5.2632 |
| 45 | 20 | 1 | 21 | 4.7619 |
| 46 | 21 | 2 | 23 | 8.6957 |
| 47 | 18 | 3 | 21 | 14.2857 |
| 48 | 17 | 3 | 20 | 15.0000 |
| 49 | 16 | 3 | 19 | 15.7895 |
| 50 | 19 | 3 | 22 | 13.6364 |
| 51 | 18 | 3 | 21 | 14.2857 |
| 52 | 20 | 3 | 23 | 13.0435 |
| 53 | 17 | 3 | 20 | 15.0000 |
| 54 | 19 | 2 | 21 | 9.5238 |
| 55 | 18 | 3 | 21 | 14.2857 |
| 56 | 18 | 2 | 20 | 10.0000 |
| 57 | 18 | 3 | 21 | 14.2857 |
| 58 | 20 | 3 | 23 | 13.0435 |
| 59 | 17 | 3 | 20 | 15.0000 |
| 60 | 18 | 3 | 21 | 14.2857 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.900
LENGTH ØF RUN:   2.00 HRS

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 16 | 3 | 19 | 15.7895 |
| 62 | 17 | 3 | 20 | 15.0000 |
| 63 | 20 | 2 | 22 | 9.0909 |
| 64 | 17 | 3 | 20 | 15.0000 |
| 65 | 17 | 3 | 20 | 15.0000 |
| 66 | 18 | 3 | 21 | 14.2857 |
| 67 | 18 | 2 | 20 | 10.0000 |
| 68 | 18 | 3 | 21 | 14.2857 |
| 69 | 18 | 3 | 21 | 14.2857 |
| 70 | 16 | 4 | 20 | 20.0000 |
| 71 | 16 | 4 | 20 | 20.0000 |
| 72 | 16 | 4 | 20 | 20.0000 |
| 73 | 13 | 4 | 17 | 23.5294 |
| 74 | 16 | 3 | 19 | 15.7895 |
| 75 | 15 | 4 | 19 | 21.0526 |
| 76 | 15 | 2 | 17 | 11.7647 |
| 77 | 17 | 5 | 22 | 22.7273 |
| 78 | 18 | 4 | 22 | 18.1818 |
| 79 | 17 | 4 | 21 | 19.0476 |
| 80 | 15 | 5 | 20 | 25.0000 |
| 81 | 15 | 4 | 19 | 21.0526 |
| 82 | 16 | 5 | 21 | 23.8095 |
| 83 | 17 | 3 | 20 | 15.0000 |
| 84 | 16 | 5 | 21 | 23.8095 |
| 85 | 17 | 5 | 22 | 22.7273 |
| 86 | 18 | 4 | 22 | 18.1818 |
| 87 | 17 | 3 | 20 | 15.0000 |
| 88 | 14 | 5 | 19 | 26.3158 |
| 89 | 14 | 3 | 17 | 17.6471 |
| 90 | 14 | 3 | 17 | 17.6471 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BØFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:   2.00 HRS

| SENSØR | ----MESSAGES---- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 18 | 5  | 23 | 21.7391 |
| 92  | 17 | 4  | 21 | 19.0476 |
| 93  | 18 | 4  | 22 | 18.1818 |
| 94  | 15 | 4  | 19 | 21.0526 |
| 95  | 14 | 3  | 17 | 17.6471 |
| 96  | 18 | 5  | 23 | 21.7391 |
| 97  | 13 | 5  | 18 | 27.7778 |
| 98  | 15 | 5  | 20 | 25.0000 |
| 99  | 16 | 4  | 20 | 20.0000 |
| 100 | 17 | 5  | 22 | 22.7273 |
| 101 | 13 | 5  | 18 | 27.7778 |
| 102 | 17 | 4  | 21 | 19.0476 |
| 103 | 15 | 3  | 18 | 16.6667 |
| 104 | 12 | 4  | 16 | 25.0000 |
| 105 | 16 | 5  | 21 | 23.8095 |
| 106 | 17 | 2  | 19 | 10.5263 |
| 107 | 13 | 5  | 18 | 27.7778 |
| 108 | 16 | 5  | 21 | 23.8095 |
| 109 | 15 | 5  | 20 | 25.0000 |
| 110 | 14 | 5  | 19 | 26.3158 |
| 111 | 16 | 3  | 19 | 15.7895 |
| 112 | 14 | 6  | 20 | 30.0000 |
| 113 | 13 | 7  | 20 | 35.0000 |
| 114 | 11 | 9  | 20 | 45.0000 |
| 115 | 9  | 12 | 21 | 57.1429 |
| 116 | 7  | 12 | 19 | 63.1579 |
| 117 | 5  | 14 | 19 | 73.6842 |
| 118 | 4  | 14 | 18 | 77.7778 |
| 119 | 3  | 17 | 20 | 85.0000 |
| 120 | 2  | 18 | 20 | 90.0000 |
| TØTAL | 2041 | 409 | 2450 | 16.6939 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN


RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:   2.00 HRS


| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 20 | 0 | 20 | 0.0000 |
| 2 | 23 | 0 | 23 | 0.0000 |
| 3 | 19 | 0 | 19 | 0.0000 |
| 4 | 21 | 0 | 21 | 0.0000 |
| 5 | 23 | 0 | 23 | 0.0000 |
| 6 | 20 | 0 | 20 | 0.0000 |
| 7 | 20 | 0 | 20 | 0.0000 |
| 8 | 20 | 0 | 20 | 0.0000 |
| 9 | 21 | 0 | 21 | 0.0000 |
| 10 | 19 | 0 | 19 | 0.0000 |
| 11 | 21 | 0 | 21 | 0.0000 |
| 12 | 20 | 0 | 20 | 0.0000 |
| 13 | 23 | 0 | 23 | 0.0000 |
| 14 | 21 | 0 | 21 | 0.0000 |
| 15 | 18 | 0 | 18 | 0.0000 |
| 16. | 21 | 0 | 21 | 0.0000 |
| 17 | 22 | 0 | 22 | 0.0000 |
| 18 | 20 | 0 | 20 | 0.0000 |
| 19 | 20 | 0 | 20 | 0.0000 |
| 20 | 19 | 0 | 19 | 0.0000 |
| 21 | 22 | 0 | 22 | 0.0000 |
| 22 | 21 | 0 | 21 | 0.0000 |
| 23 | 23 | 0 | 23 | 0.0000 |
| 24 | 21 | 0 | 21 | 0.0000 |
| 25 | 19 | 0 | 19 | 0.0000 |
| 26 | 19 | 0 | 19 | 0.0000 |
| 27 | 19 | 0 | 19 | 0.0000 |
| 28 | 21 | 0 | 21 | 0.0000 |
| 29 | 21 | 0 | 21 | 0.0000 |
| 30 | 20 | 0 | 20 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BÜFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN: 2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 31 | 22 | 0 | 22 | 0.0000 |
| 32 | 22 | 0 | 22 | 0.0000 |
| 33 | 21 | 0 | 21 | 0.0000 |
| 34 | 22 | 0 | 22 | 0.0000 |
| 35 | 21 | 0 | 21 | 0.0000 |
| 36 | 21 | 0 | 21 | 0.0000 |
| 37 | 22 | 0 | 22 | 0.0000 |
| 38 | 22 | 0 | 22 | 0.0000 |
| 39 | 19 | 0 | 19 | 0.0000 |
| 40 | 18 | 0 | 18 | 0.0000 |
| 41 | 22 | 0 | 22 | 0.0000 |
| 42 | 19 | 0 | 19 | 0.0000 |
| 43 | 18 | 1 | 19 | 5.2632 |
| 44 | 21 | 1 | 22 | 4.5455 |
| 45 | 19 | 1 | 20 | 5.0000 |
| 46 | 21 | 1 | 22 | 4.5455 |
| 47 | 21 | 1 | 22 | 4.5455 |
| 48 | 21 | 1 | 22 | 4.5455 |
| 49 | 20 | 1 | 21 | 4.7619 |
| 50 | 21 | 1 | 22 | 4.5455 |
| 51 | 21 | 1 | 22 | 4.5455 |
| 52 | 19 | 0 | 19 | 0.0000 |
| 53 | 20 | 1 | 21 | 4.7619 |
| 54 | 19 | 1 | 20 | 5.0000 |
| 55 | 19 | 1 | 20 | 5.0000 |
| 56 | 20 | 1 | 21 | 4.7619 |
| 57 | 22 | 1 | 23 | 4.3478 |
| 58 | 21 | 1 | 22 | 4.5455 |
| 59 | 21 | 1 | 22 | 4.5455 |
| 60 | 19 | 1 | 20 | 5.0000 |

INT. SENSØRS, LINEAR PØLLING, SIMULTANEØUS TURNØN, RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:    2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 21 | 0 | 21 | 0.0000 |
| 62 | 21 | 1 | 22 | 4.5455 |
| 63 | 19 | 1 | 20 | 5.0000 |
| 64 | 21 | 1 | 22 | 4.5455 |
| 65 | 20 | 1 | 21 | 4.7619 |
| 66 | 20 | 1 | 21 | 4.7619 |
| 67 | 19 | 0 | 19 | 0.0000 |
| 68 | 19 | 1 | 20 | 5.0000 |
| 69 | 20 | 1 | 21 | 4.7619 |
| 70 | 17 | 1 | 18 | 5.5556 |
| 71 | 20 | 1 | 21 | 4.7619 |
| 72 | 19 | 1 | 20 | 5.0000 |
| 73 | 19 | 1 | 20 | 5.0000 |
| 74 | 18 | 1 | 19 | 5.2632 |
| 75 | 18 | 1 | 19 | 5.2632 |
| 76 | 15 | 1 | 16 | 6.2500 |
| 77 | 21 | 1 | 22 | 4.5455 |
| 78 | 18 | 1 | 19 | 5.2632 |
| 79 | 17 | 1 | 18 | 5.5556 |
| 80 | 19 | 1 | 20 | 5.0000 |
| 81 | 20 | 0 | 20 | 0.0000 |
| 82 | 20 | 1 | 21 | 4.7619 |
| 83 | 19 | 1 | 20 | 5.0000 |
| 84 | 19 | 1 | 20 | 5.0000 |
| 85 | 21 | 1 | 22 | 4.5455 |
| 86 | 20 | 1 | 21 | 4.7619 |
| 87 | 21 | 0 | 21 | 0.0000 |
| 88 | 20 | 1 | 21 | 4.7619 |
| 89 | 21 | 1 | 22 | 4.5455 |
| 90 | 22 | 1 | 23 | 4.3478 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:    0.900
LENGTH ØF RUN:    2.00 HRS

| SENSØR NUMBER | MESSAGES SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 91 | 20 | 1 | 21 | 4.7619 |
| 92 | 20 | 1 | 21 | 4.7619 |
| 93 | 17 | 0 | 17 | 0.0000 |
| 94 | 19 | 1 | 20 | 5.0000 |
| 95 | 21 | 0 | 21 | 0.0000 |
| 96 | 18 | 1 | 19 | 5.2632 |
| 97 | 21 | 1 | 22 | 4.5455 |
| 98 | 17 | 1 | 18 | 5.5556 |
| 99 | 22 | 1 | 23 | 4.3478 |
| 100 | 22 | 1 | 23 | 4.3478 |
| 101 | 20 | 1 | 21 | 4.7619 |
| 102 | 22 | 0 | 22 | 0.0000 |
| 103 | 22 | 1 | 23 | 4.3478 |
| 104 | 21 | 1 | 22 | 4.5455 |
| 105 | 19 | 2 | 21 | 9.5238 |
| 106 | 19 | 2 | 21 | 9.5238 |
| 107 | 15 | 2 | 17 | 11.7647 |
| 108 | 21 | 1 | 22 | 4.5455 |
| 109 | 18 | 2 | 20 | 10.0000 |
| 110 | 18 | 3 | 21 | 14.2857 |
| 111 | 17 | 3 | 20 | 15.0000 |
| 112 | 18 | 4 | 22 | 18.1818 |
| 113 | 10 | 8 | 18 | 44.4444 |
| 114 | 12 | 10 | 22 | 45.4545 |
| 115 | 8 | 11 | 19 | 57.8947 |
| 116 | 8 | 14 | 22 | 63.6364 |
| 117 | 6 | 14 | 20 | 70.0000 |
| 118 | 5 | 16 | 21 | 76.1905 |
| 119 | 3 | 14 | 17 | 82.3529 |
| 120 | 2 | 16 | 18 | 88.8889 |
| TØTAL | 2296 | 176 | 2472 | 7.1197 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR<br>NUMBER | -----MESSAGES----- | | | PERCENT<br>DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 0 | 201 | 201 | 100.0000 |
| 2 | 0 | 216 | 216 | 100.0000 |
| 3 | 0 | 221 | 221 | 100.0000 |
| 4 | 0 | 216 | 216 | 100.0000 |
| 5 | 0 | 218 | 218 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 0 | 1072 | 1072 | 100.0000 |

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER:  10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 166 | 38 | 204 | 18.6275 |
| 2 | 178 | 40 | 218 | 18.3486 |
| 3 | 175 | 36 | 211 | 17.0616 |
| 4 | 181 | 42 | 223 | 18.8341 |
| 5 | 156 | 51 | 207 | 24.6377 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 856 | 207 | 1063 | 19.4732 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 190 | 26 | 216 | 12.0370 |
| 2 | 193 | 26 | 219 | 11.8721 |
| 3 | 183 | 28 | 211 | 13.2701 |
| 4 | 189 | 29 | 218 | 13.3028 |
| 5 | 167 | 49 | 216 | 22.6852 |
| 6 | 74 | 136 | 210 | 64.7619 |
| 7 | 16 | 195 | 211 | 92.4171 |
| 8 | 3 | 201 | 204 | 98.5294 |
| 9 | 0 | 216 | 216 | 100.0000 |
| 10 | 0 | 210 | 210 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1015 | 1116 | 2131 | 52.3698 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 10
SENSØR PERIQD: 30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 206 | 8 | 214 | 3.7383 |
| 2 | 203 | 8 | 211 | 3.7915 |
| 3 | 192 | 8 | 200 | 4.0000 |
| 4 | 204 | 7 | 211 | 3.3175 |
| 5 | 178 | 33 | 211 | 15.6398 |
| 6 | 86 | 116 | 202 | 57.4257 |
| 7 | 30 | 178 | 208 | 85.5769 |
| 8 | 10 | 205 | 215 | 95.3488 |
| 9 | 2 | 214 | 216 | 99.0741 |
| 10 | 0 | 210 | 210 | 100.0000 |
| TØTAL | 1111 | 987 | 2098 | 47.0448 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA;=
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|--------|------|---------|-------|---------|
| 1      | 205  | 12      | 217   | 5.5300  |
| 2      | 207  | 11      | 218   | 5.0459  |
| 3      | 210  | 11      | 221   | 4.9774  |
| 4      | 198  | 11      | 209   | 5.2632  |
| 5      | 211  | 13      | 224   | 5.8036  |
| 6      | 203  | 12      | 215   | 5.5814  |
| 7      | 197  | 14      | 211   | 6.6351  |
| 8      | 205  | 14      | 219   | 6.3927  |
| 9      | 197  | 14      | 211   | 6.6351  |
| 10     | 203  | 23      | 226   | 10.1770 |
| TØTAL  | 2036 | 135     | 2171  | 6.2183  |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 189 | 26 | 215 | 12.0930 |
| 2 | 188 | 30 | 218 | 13.7615 |
| 3 | 185 | 28 | 213 | 13.1455 |
| 4 | 180 | 28 | 208 | 13.4615 |
| 5 | 188 | 32 | 220 | 14.5455 |
| 6 | 192 | 29 | 221 | 13.1222 |
| 7 | 188 | 31 | 219 | 14.1553 |
| 8 | 189 | 32 | 221 | 14.4796 |
| 9 | 178 | 32 | 210 | 15.2381 |
| 10 | 179 | 37 | 216 | 17.1296 |
| 11 | 123 | 95 | 218 | 43.5780 |
| 12 | 45 | 155 | 200 | 77.5000 |
| 13 | 12 | 198 | 210 | 94.2857 |
| 14 | 3 | 208 | 211 | 98.5782 |
| 15 | 1 | 212 | 213 | 99.5305 |
| 16 | 0 | 209 | 209 | 100.0000 |
| 17 | 0 | 212 | 212 | 100.0000 |
| 18 | 0 | 218 | 218 | 100.0000 |
| 19 | 0 | 215 | 215 | 100.0000 |
| 20 | 0 | 215 | 215 | 100.0000 |
| TØTAL | 2040- | 2242 | 4282 | 52.3587 |

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INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 193 | 22 | 215 | 10.2326 |
| 2 | 199 | 22 | 221 | 9.9548 |
| 3 | 185 | 22 | 207 | 10.6280 |
| 4 | 190 | 24 | 214 | 11.2150 |
| 5 | 191 | 22 | 213 | 10.3286 |
| 6 | 197 | 22 | 219 | 10.0457 |
| 7 | 181 | 25 | 206 | 12.1359 |
| 8 | 187 | 25 | 212 | 11.7925 |
| 9 | 189 | 27 | 216 | 12.5000 |
| 10 | 175 | 30 | 205 | 14.6341 |
| 11 | 127 | 75 | 202 | 37.1287 |
| 12 | 61 | 155 | 216 | 71.7593 |
| 13 | 19 | 199 | 218 | 91.2844 |
| 14 | 6 | 212 | 218 | 97.2477 |
| 15 | 1 | 216 | 217 | 99.5392 |
| 16 | 0 | 215 | 215 | 100.0000 |
| 17 | 0 | 216 | 216 | 100.0000 |
| 18 | 0 | 216 | 216 | 100.0000 |
| 19 | 0 | 222 | 222 | 100.0000 |
| 20 | 0 | 205 | 205 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 2101 | 2172 | 4273 | 50.8308 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 1 | 0 | 1 | 0.0000 |
| 2 | 1 | 0 | 1 | 0.0000 |
| 3 | 2 | 0 | 2 | 0.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 2 | 0 | 2 | 0.0000 |
| TOTAL | 7 | 0 | 7 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5840 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 3 | 0 | 3 | 0.0000 |
| 2 | 0 | 0 | 0 | 0.0000 |
| 3 | 3 | 0 | 3 | 0.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 1 | 0 | 1 | 0.0000 |
| 6 | 3 | 0 | 3 | 0.0000 |
| 7 | 2 | 0 | 2 | 0.0000 |
| 8 | 1 | 0 | 1 | 0.0000 |
| 9 | 2 | 0 | 2 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 18 | 0 | 18 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:     300 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 2 | 0 | 2 | 0.0000 |
| 2  | 1 | 0 | 1 | 0.0000 |
| 3  | 1 | 0 | 1 | 0.0000 |
| 4  | 4 | 0 | 4 | 0.0000 |
| 5  | 1 | 0 | 1 | 0.0000 |
| 6  | 1 | 0 | 1 | 0.0000 |
| 7  | 0 | 0 | 0 | 0.0000 |
| 8  | 2 | 0 | 2 | 0.0000 |
| 9  | 2 | 0 | 2 | 0.0000 |
| 10 | 1 | 0 | 1 | 0.0000 |
| TOTAL | 15 | 0 | 15 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     30
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 0 | 0 | 0 | 0.0000 |
| 2  | 1 | 0 | 1 | 0.0000 |
| 3  | 3 | 0 | 3 | 0.0000 |
| 4  | 3 | 0 | 3 | 0.0000 |
| 5  | 0 | 0 | 0 | 0.0000 |
| 6  | 2 | 0 | 2 | 0.0000 |
| 7  | 4 | 0 | 4 | 0.0000 |
| 8  | 4 | 0 | 4 | 0.0000 |
| 9  | 1 | 0 | 1 | 0.0000 |
| 10 | 0 | 0 | 0 | 0.0000 |
| 11 | 2 | 0 | 2 | 0.0000 |
| 12 | 0 | 0 | 0 | 0.0000 |
| 13 | 1 | 0 | 1 | 0.0000 |
| 14 | 6 | 0 | 6 | 0.0000 |
| 15 | 3 | 0 | 3 | 0.0000 |
| 16 | 1 | 0 | 1 | 0.0000 |
| 17 | 2 | 0 | 2 | 0.0000 |
| 18 | 1 | 0 | 1 | 0.0000 |
| 19 | 2 | 0 | 2 | 0.0000 |
| 20 | 5 | 0 | 5 | 0.0000 |
| 21 | 4 | 0 | 4 | 0.0000 |
| 22 | 1 | 0 | 1 | 0.0000 |
| 23 | 0 | 0 | 0 | 0.0000 |
| 24 | 1 | 0 | 1 | 0.0000 |
| 25 | 4 | 0 | 4 | 0.0000 |
| 26 | 5 | 0 | 5 | 0.0000 |
| 27 | 4 | 0 | 4 | 0.0000 |
| 28 | 4 | 0 | 4 | 0.0000 |
| 29 | 3 | 0 | 3 | 0.0000 |
| 30 | 2 | 0 | 2 | 0.0000 |
| TOTAL | 69 | 0 | 69 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 2 | 0 | 2 | 0.0000 |
| 2 | 2 | 0 | 2 | 0.0000 |
| 3 | 2 | 0 | 2 | 0.0000 |
| 4 | 3 | 0 | 3 | 0.0000 |
| 5 | 2 | 0 | 2 | 0.0000 |
| 6 | 3 | 0 | 3 | 0.0000 |
| 7 | 3 | 0 | 3 | 0.0000 |
| 8 | 1 | 0 | 1 | 0.0000 |
| 9 | 3 | 0 | 3 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| 11 | 2 | 0 | 2 | 0.0000 |
| 12 | 2 | 0 | 2 | 0.0000 |
| 13 | 2 | 0 | 2 | 0.0000 |
| 14 | 3 | 0 | 3 | 0.0000 |
| 15 | 1 | 0 | 1 | 0.0000 |
| 16 | 3 | 0 | 3 | 0.0000 |
| 17 | 2 | 0 | 2 | 0.0000 |
| 18 | 3 | 0 | 3 | 0.0000 |
| 19 | 1 | 0 | 1 | 0.0000 |
| 20 | 1 | 0 | 1 | 0.0000 |
| 21 | 2 | 0 | 2 | 0.0000 |
| 22 | 4 | 0 | 4 | 0.0000 |
| 23 | 4 | 0 | 4 | 0.0000 |
| 24 | 2 | 0 | 2 | 0.0000 |
| 25 | 2 | 0 | 2 | 0.0000 |
| 26 | 5 | 0 | 5 | 0.0000 |
| 27 | 3 | 0 | 3 | 0.0000 |
| 28 | 1 | 0 | 1 | 0.0000 |
| 29 | 2 | 0 | 2 | 0.0000 |
| 30 | 4 | 0 | 4 | 0.0000 |

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RUN DATA:
NO OF SENSORS:   120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 5 | 0 | 5 | 0.0000 |
| 32 | 1 | 0 | 1 | 0.0000 |
| 33 | 4 | 0 | 4 | 0.0000 |
| 34 | 4 | 0 | 4 | 0.0000 |
| 35 | 1 | 0 | 1 | 0.0000 |
| 36 | 4 | 0 | 4 | 0.0000 |
| 37 | 4 | 0 | 4 | 0.0000 |
| 38 | 4 | 0 | 4 | 0.0000 |
| 39 | 4 | 0 | 4 | 0.0000 |
| 40 | 2 | 0 | 2 | 0.0000 |
| 41 | 1 | 0 | 1 | 0.0000 |
| 42 | 2 | 0 | 2 | 0.0000 |
| 43 | 2 | 0 | 2 | 0.0000 |
| 44 | 1 | 0 | 1 | 0.0000 |
| 45 | 1 | 0 | 1 | 0.0000 |
| 46 | 3 | 0 | 3 | 0.0000 |
| 47 | 2 | 0 | 2 | 0.0000 |
| 48 | 1 | 0 | 1 | 0.0000 |
| 49 | 3 | 0 | 3 | 0.0000 |
| 50 | 4 | 0 | 4 | 0.0000 |
| 51 | 3 | 0 | 3 | 0.0000 |
| 52 | 0 | 0 | 0 | 0.0000 |
| 53 | 2 | 0 | 2 | 0.0000 |
| 54 | 1 | 0 | 1 | 0.0000 |
| 55 | 2 | 0 | 2 | 0.0000 |
| 56 | 1 | 0 | 1 | 0.0000 |
| 57 | 1 | 0 | 1 | 0.0000 |
| 58 | 3 | 0 | 3 | 0.0000 |
| 59 | 2 | 0 | 2 | 0.0000 |
| 60 | 5 | 0 | 5 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 61 | 3 | 0 | 3 | 0.0000 |
| 62 | 1 | 0 | 1 | 0.0000 |
| 63 | 3 | 0 | 3 | 0.0000 |
| 64 | 1 | 0 | 1 | 0.0000 |
| 65 | 2 | 0 | 2 | 0.0000 |
| 66 | 4 | 0 | 4 | 0.0000 |
| 67 | 2 | 0 | 2 | 0.0000 |
| 68 | 4 | 0 | 4 | 0.0000 |
| 69 | 1 | 0 | 1 | 0.0000 |
| 70 | 1 | 0 | 1 | 0.0000 |
| 71 | 1 | 0 | 1 | 0.0000 |
| 72 | 3 | 0 | 3 | 0.0000 |
| 73 | 1 | 0 | 1 | 0.0000 |
| 74 | 3 | 0 | 3 | 0.0000 |
| 75 | 0 | 0 | 0 | 0.0000 |
| 76 | 1 | 0 | 1 | 0.0000 |
| 77 | 1 | 0 | 1 | 0.0000 |
| 78 | 2 | 0 | 2 | 0.0000 |
| 79 | 3 | 0 | 3 | 0.0000 |
| 80 | 2 | 0 | 2 | 0.0000 |
| 81 | 1 | 0 | 1 | 0.0000 |
| 82 | 2 | 0 | 2 | 0.0000 |
| 83 | 2 | 0 | 2 | 0.0000 |
| 84 | 2 | 0 | 2 | 0.0000 |
| 85 | 5 | 0 | 5 | 0.0000 |
| 86 | 4 | 0 | 4 | 0.0000 |
| 87 | 0 | 0 | 0 | 0.0000 |
| 88 | 0 | 0 | 0 | 0.0000 |
| 89 | 2 | 0 | 2 | 0.0000 |
| 90 | 0 | 0 | 0 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     120
SENSOR PERIOD:     300. SEC
SENSOR BUFFER:     5240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:  0.100
LENGTH OF RUN:     2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91 | 2 | 0 | 2 | 0.0000 |
| 92 | 3 | 0 | 3 | 0.0000 |
| 93 | 3 | 0 | 3 | 0.0000 |
| 94 | 4 | 0 | 4 | 0.0000 |
| 95 | 1 | 0 | 1 | 0.0000 |
| 96 | 1 | 0 | 1 | 0.0000 |
| 97 | 1 | 0 | 1 | 0.0000 |
| 98 | 0 | 0 | 0 | 0.0000 |
| 99 | 1 | 0 | 1 | 0.0000 |
| 100 | 3 | 0 | 3 | 0.0000 |
| 101 | 3 | 0 | 3 | 0.0000 |
| 102 | 2 | 0 | 2 | 0.0000 |
| 103 | 2 | 0 | 2 | 0.0000 |
| 104 | 4 | 0 | 4 | 0.0000 |
| 105 | 2 | 0 | 2 | 0.0000 |
| 106 | 1 | 0 | 1 | 0.0000 |
| 107 | 4 | 0 | 4 | 0.0000 |
| 108 | 1 | 0 | 1 | 0.0000 |
| 109 | 1 | 0 | 1 | 0.0000 |
| 110 | 3 | 0 | 3 | 0.0000 |
| 111 | 2 | 0 | 2 | 0.0000 |
| 112 | 2 | 0 | 2 | 0.0000 |
| 113 | 4 | 0 | 4 | 0.0000 |
| 114 | 2 | 0 | 2 | 0.0000 |
| 115 | 7 | 0 | 7 | 0.0000 |
| 116 | 1 | 0 | 1 | 0.0000 |
| 117 | 2 | 0 | 2 | 0.0000 |
| 118 | 0 | 0 | 0 | 0.0000 |
| 119 | 3 | 0 | 3 | 0.0000 |
| 120 | 3 | 0 | 3 | 0.0000 |
| | ------ | ------ | ------ | ------- |
| TOTAL | 270 | 0 | 270 | 0.0000 |

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INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:   120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:   240
PROB. OF TGT.:   0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 1 | 0 | 1 | 0.0000 |
| 2  | 2 | 0 | 2 | 0.0000 |
| 3  | 2 | 0 | 2 | 0.0000 |
| 4  | 1 | 0 | 1 | 0.0000 |
| 5  | 1 | 1 | 2 | 50.0000 |
| 6  | 2 | 1 | 3 | 33.3333 |
| 7  | 0 | 0 | 0 | 0.0000 |
| 8  | 1 | 0 | 1 | 0.0000 |
| 9  | 4 | 0 | 4 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| 11 | 1 | 0 | 1 | 0.0000 |
| 12 | 3 | 0 | 3 | 0.0000 |
| 13 | 1 | 0 | 1 | 0.0000 |
| 14 | 0 | 0 | 0 | 0.0000 |
| 15 | 3 | 0 | 3 | 0.0000 |
| 16 | 0 | 0 | 0 | 0.0000 |
| 17 | 3 | 0 | 3 | 0.0000 |
| 18 | 1 | 0 | 1 | 0.0000 |
| 19 | 2 | 0 | 2 | 0.0000 |
| 20 | 0 | 0 | 0 | 0.0000 |
| 21 | 2 | 0 | 2 | 0.0000 |
| 22 | 1 | 0 | 1 | 0.0000 |
| 23 | 5 | 1 | 6 | 16.6667 |
| 24 | 4 | 0 | 4 | 0.0000 |
| 25 | 2 | 1 | 3 | 33.3333 |
| 26 | 1 | 0 | 1 | 0.0000 |
| 27 | 2 | 1 | 3 | 33.3333 |
| 28 | 1 | 0 | 1 | 0.0000 |
| 29 | 0 | 0 | 0 | 0.0000 |
| 30 | 0 | 1 | 1 | 100.0000 |

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 1 | 0 | 1 | 0.0000 |
| 32 | 4 | 0 | 4 | 0.0000 |
| 33 | 0 | 0 | 0 | 0.0000 |
| 34 | 3 | 0 | 3 | 0.0000 |
| 35 | 2 | 0 | 2 | 0.0000 |
| 36 | 0 | 0 | 0 | 0.0000 |
| 37 | 3 | 0 | 3 | 0.0000 |
| 38 | 6 | 0 | 6 | 0.0000 |
| 39 | 2 | 0 | 2 | 0.0000 |
| 40 | 2 | 1 | 3 | 33.3333 |
| 41 | 2 | 1 | 3 | 33.3333 |
| 42 | 4 | 1 | 5 | 20.0000 |
| 43 | 1 | 0 | 1 | 0.0000 |
| 44 | 4 | 0 | 4 | 0.0000 |
| 45 | 1 | 0 | 1 | 0.0000 |
| 46 | 2 | 1 | 3 | 33.3333 |
| 47 | 1 | 0 | 1 | 0.0000 |
| 48 | 0 | 0 | 0 | 0.0000 |
| 49 | 2 | 0 | 2 | 0.0000 |
| 50 | 4 | 0 | 4 | 0.0000 |
| 51 | 1 | 1 | 2 | 50.0000 |
| 52 | 4 | 0 | 4 | 0.0000 |
| 53 | 2 | 0 | 2 | 0.0000 |
| 54 | 0 | 0 | 0 | 0.0000 |
| 55 | 3 | 1 | 4 | 25.0000 |
| 56 | 1 | 0 | 1 | 0.0000 |
| 57 | 0 | 0 | 0 | 0.0000 |
| 58 | 0 | 1 | 1 | 100.0000 |
| 59 | 3 | 1 | 4 | 25.0000 |
| 60 | 1 | 0 | 1 | 0.0000 |

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT-RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 61 | 2 | 0 | 2 | 0.0000 |
| 62 | 2 | 0 | 2 | 0.0000 |
| 63 | 2 | 0 | 2 | 0.0000 |
| 64 | 0 | 0 | 0 | 0.0000 |
| 65 | 2 | 0 | 2 | 0.0000 |
| 66 | 2 | 1 | 3 | 33.3333 |
| 67 | 1 | 0 | 1 | 0.0000 |
| 68 | 1 | 1 | 2 | 50.0000 |
| 69 | 2 | 0 | 2 | 0.0000 |
| 70 | 1 | 0 | 1 | 0.0000 |
| 71 | 0 | 0 | 0 | 0.0000 |
| 72 | 0 | 0 | 0 | 0.0000 |
| 73 | 1 | 0 | 1 | 0.0000 |
| 74 | 1 | 0 | 1 | 0.0000 |
| 75 | 3 | 0 | 3 | 0.0000 |
| 76 | 1 | 0 | 1 | 0.0000 |
| 77 | 3 | 0 | 3 | 0.0000 |
| 78 | 1 | 0 | 1 | 0.0000 |
| 79 | 1 | 1 | 2 | 50.0000 |
| 80 | 1 | 1 | 2 | 50.0000 |
| 81 | 1 | 1 | 2 | 50.0000 |
| 82 | 0 | 0 | 0 | 0.0000 |
| 83 | 2 | 1 | 3 | 33.3333 |
| 84 | 3 | 0 | 3 | 0.0000 |
| 85 | 3 | 0 | 3 | 0.0000 |
| 86 | 2 | 0 | 2 | 0.0000 |
| 87 | 2 | 0 | 2 | 0.0000 |
| 88 | 1 | 1 | 2 | 50.0000 |
| 89 | 2 | 0 | 2 | 0.0000 |
| 90 | 4 | 0 | 4 | 0.0000 |

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RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91 | 4 | 0 | 4 | 0.0000 |
| 92 | 2 | 0 | 2 | 0.0000 |
| 93 | 2 | 1 | 3 | 33.3333 |
| 94 | 3 | 0 | 3 | 0.0000 |
| 95 | 3 | 0 | 3 | 0.0000 |
| 96 | 2 | 0 | 2 | 0.0000 |
| 97 | 5 | 0 | 5 | 0.0000 |
| 98 | 1 | 0 | 1 | 0.0000 |
| 99 | 1 | 1 | 2 | 50.0000 |
| 100 | 3 | 0 | 3 | 0.0000 |
| 101 | 0 | 0 | 0 | 0.0000 |
| 102 | 0 | 1 | 1 | 100.0000 |
| 103 | 0 | 0 | 0 | 0.0000 |
| 104 | 2 | 0 | 2 | 0.0000 |
| 105 | 2 | 0 | 2 | 0.0000 |
| 106 | 0 | 0 | 0 | 0.0000 |
| 107 | 1 | 0 | 1 | 0.0000 |
| 108 | 4 | 0 | 4 | 0.0000 |
| 109 | 1 | 0 | 1 | 0.0000 |
| 110 | 2 | 0 | 2 | 0.0000 |
| 111 | 0 | 0 | 0 | 0.0000 |
| 112 | 3 | 0 | 3 | 0.0000 |
| 113 | 2 | 0 | 2 | 0.0000 |
| 114 | 0 | 0 | 0 | 0.0000 |
| 115 | 2 | 0 | 2 | 0.0000 |
| 116 | 3 | 0 | 3 | 0.0000 |
| 117 | 0 | 0 | 0 | 0.0000 |
| 118 | 1 | 1 | 2 | 50.0000 |
| 119 | 2 | 0 | 2 | 0.0000 |
| 120 | 1 | 1 | 2 | 50.0000 |
| TOTAL | 206 | 26 | 232 | 11.2069 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 0 | 6 | 6 | 100.0000 |
| 2 | 0 | 5 | 5 | 100.0000 |
| 3 | 0 | 3 | 3 | 100.0000 |
| 4 | 0 | 9 | 9 | 100.0000 |
| 5 | 0 | 12 | 12 | 100.0000 |
| TOTAL | 0 | 35 | 35 | 100.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS


| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 22 | 1 | 23 | 4.3478 |
| 2 | 30 | 1 | 31 | 3.2258 |
| 3 | 15 | 2 | 17 | 11.7647 |
| 4 | 21 | 2 | 23 | 8.6957 |
| 5 | 27 | 1 | 28 | 3.5714 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 115 | 7 | 122 | 5.7377 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 14 | 0 | 14 | 0.0000 |
| 2 | 21 | 0 | 21 | 0.0000 |
| 3 | 17 | 1 | 18 | 5.5556 |
| 4 | 12 | 0 | 12 | 0.0000 |
| 5 | 17 | 1 | 18 | 5.5556 |
| 6 | 17 | 1 | 18 | 5.5556 |
| 7 | 21 | 1 | 22 | 4.5455 |
| 8 | 22 | 1 | 23 | 4.3478 |
| 9 | 15 | 1 | 16 | 6.2500 |
| 10 | 20 | 2 | 22 | 9.0909 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 17 6 | 8 | 184 | 4.3478 |

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INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 27 | 0 | 27 | 0.0000 |
| 2  | 27 | 0 | 27 | 0.0000 |
| 3  | 22 | 0 | 22 | 0.0000 |
| 4  | 23 | 0 | 23 | 0.0000 |
| 5  | 20 | 0 | 20 | 0.0000 |
| 6  | 15 | 0 | 15 | 0.0000 |
| 7  | 24 | 0 | 24 | 0.0000 |
| 8  | 30 | 0 | 30 | 0.0000 |
| 9  | 14 | 0 | 14 | 0.0000 |
| 10 | 22 | 0 | 22 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 224 | 0 | 224 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 18 | 2 | 20 | 10.0000 |
| 2  | 18 | 3 | 21 | 14.2857 |
| 3  | 14 | 5 | 19 | 26.3158 |
| 4  | 20 | 2 | 22 |  9.0909 |
| 5  | 15 | 5 | 20 | 25.0000 |
| 6  | 19 | 1 | 20 |  5.0000 |
| 7  | 20 | 3 | 23 | 13.0435 |
| 8  | 18 | 3 | 21 | 14.2857 |
| 9  | 23 | 3 | 26 | 11.5385 |
| 10 | 22 | 6 | 28 | 21.4286 |
| TOTAL | 187 | 33 | 220 | 15.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      20
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 25 | 1 | 26 | 3.8462 |
| 3 | 21 | 0 | 21 | 0.0000 |
| 4 | 18 | 2 | 20 | 10.0000 |
| 5 | 20 | 2 | 22 | 9.0909 |
| 6 | 20 | 3 | 23 | 13.0435 |
| 7 | 26 | 1 | 27 | 3.7037 |
| 8 | 17 | 3 | 20 | 15.0000 |
| 9 | 24 | 3 | 27 | 11.1111 |
| 10 | 22 | 1 | 23 | 4.3478 |
| 11 | 24 | 1 | 25 | 4.0000 |
| 12 | 22 | 0 | 22 | 0.0000 |
| 13 | 27 | 1 | 28 | 3.5714 |
| 14 | 20 | 1 | 21 | 4.7619 |
| 15 | 27 | 2 | 29 | 6.8966 |
| 16 | 27 | 3 | 30 | 10.0000 |
| 17 | 18 | 1 | 19 | 5.2632 |
| 18 | 24 | 1 | 25 | 4.0000 |
| 19 | 24 | 1 | 25 | 4.0000 |
| 20 | 23 | 2 | 25 | 8.0000 |
| TOTAL | 452 | 30 | 482 | 6.2241 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 20
SENSOR PERIOD: 30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE: 4800 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 22 | 0 | 22 | 0.0000 |
| 2 | 19 | 0 | 19 | 0.0000 |
| 3 | 20 | 1 | 21 | 4.7619 |
| 4 | 17 | 0 | 17 | 0.0000 |
| 5 | 19 | 0 | 19 | 0.0000 |
| 6 | 18 | 0 | 18 | 0.0000 |
| 7 | 29 | 0 | 29 | 0.0000 |
| 8 | 21 | 0 | 21 | 0.0000 |
| 9 | 27 | 1 | 28 | 3.5714 |
| 10 | 25 | 0 | 25 | 0.0000 |
| 11 | 18 | 1 | 19 | 5.2632 |
| 12 | 23 | 1 | 24 | 4.1667 |
| 13 | 18 | 1 | 19 | 5.2632 |
| 14 | 18 | 0 | 18 | 0.0000 |
| 15 | 21 | 1 | 22 | 4.5455 |
| 16 | 21 | 1 | 22 | 4.5455 |
| 17 | 22 | 1 | 23 | 4.3478 |
| 18 | 29 | 2 | 31 | 6.4516 |
| 19 | 16 | 1 | 17 | 5.8824 |
| 20 | 19 | 0 | 19 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 422 | 11 | 433 | 2.5404 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 7 | 0 | 7 | 0.0000 |
| 2 | 7 | 1 | 8 | 12.5000 |
| 3 | 10 | 0 | 10 | 0.0000 |
| 4 | 6 | 1 | 7 | 14.2857 |
| 5 | 3 | 1 | 4 | 25.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 33 | 3 | 36 | 8.3333 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:  300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 10 | 1 | 11  | 9.0909  |
| 2  | 10 | 0 | 10  | 0.0000  |
| 3  | 12 | 2 | 14  | 14.2857 |
| 4  | 10 | 0 | 10  | 0.0000  |
| 5  | 9  | 3 | 12  | 25.0000 |
| 6  | 10 | 1 | 11  | 9.0909  |
| 7  | 6  | 1 | 7   | 14.2857 |
| 8  | 9  | 1 | 10  | 10.0000 |
| 9  | 9  | 1 | 10  | 10.0000 |
| 10 | 8  | 0 | 8   | 0.0000  |
| TOTAL | 93 | 10 | 103 | 9.7087 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.:  0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 1 | 10 | 1 | 11 | 9.0909 |
| 2 | 8 | 1 | 9 | 11.1111 |
| 3 | 9 | 0 | 9 | 0.0000 |
| 4 | 10 | 1 | 11 | 9.0909 |
| 5 | 6 | 0 | 6 | 0.0000 |
| 6 | 9 | 1 | 10 | 10.0000 |
| 7 | 6 | 1 | 7 | 14.2857 |
| 8 | 9 | 0 | 9 | 0.0000 |
| 9 | 9 | 1 | 10 | 10.0000 |
| 10 | 10 | 0 | 10 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 86 | 6 | 92 | 6.5217 |

RUN DATA:
NO OF SENSORS:     30
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.500
LENGTH OF RUN:   2.00 HRS

| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 12 | 1 | 13 | 7.6923 |
| 2  | 13 | 0 | 13 | 0.0000 |
| 3  | 6  | 0 | 6  | 0.0000 |
| 4  | 11 | 0 | 11 | 0.0000 |
| 5  | 10 | 1 | 11 | 9.0909 |
| 6  | 8  | 0 | 8  | 0.0000 |
| 7  | 13 | 0 | 13 | 0.0000 |
| 8  | 7  | 1 | 8  | 12.5000 |
| 9  | 8  | 1 | 9  | 11.1111 |
| 10 | 15 | 0 | 15 | 0.0000 |
| 11 | 11 | 1 | 12 | 8.3333 |
| 12 | 9  | 1 | 10 | 10.0000 |
| 13 | 9  | 1 | 10 | 10.0000 |
| 14 | 11 | 0 | 11 | 0.0000 |
| 15 | 10 | 0 | 10 | 0.0000 |
| 16 | 14 | 0 | 14 | 0.0000 |
| 17 | 9  | 0 | 9  | 0.0000 |
| 18 | 13 | 0 | 13 | 0.0000 |
| 19 | 15 | 0 | 15 | 0.0000 |
| 20 | 8  | 1 | 9  | 11.1111 |
| 21 | 7  | 1 | 8  | 12.5000 |
| 22 | 10 | 1 | 11 | 9.0909 |
| 23 | 12 | 1 | 13 | 7.6923 |
| 24 | 10 | 0 | 10 | 0.0000 |
| 25 | 11 | 1 | 12 | 8.3333 |
| 26 | 10 | 1 | 11 | 9.0909 |
| 27 | 10 | 0 | 10 | 0.0000 |
| 28 | 11 | 1 | 12 | 8.3333 |
| 29 | 10 | 0 | 10 | 0.0000 |
| 30 | 5  | 0 | 5  | 0.0000 |
| TOTAL | 308 | 14 | 322 | 4.3478 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.500
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 11 | 1 | 12 | 8.3333  |
| 2  | 8  | 0 | 8  | 0.0000  |
| 3  | 8  | 0 | 8  | 0.0000  |
| 4  | 9  | 0 | 9  | 0.0000  |
| 5  | 6  | 1 | 7  | 14.2857 |
| 6  | 8  | 0 | 8  | 0.0000  |
| 7  | 11 | 0 | 11 | 0.0000  |
| 8  | 13 | 1 | 14 | 7.1429  |
| 9  | 8  | 1 | 9  | 11.1111 |
| 10 | 9  | 1 | 10 | 10.0000 |
| 11 | 12 | 0 | 12 | 0.0000  |
| 12 | 12 | 0 | 12 | 0.0000  |
| 13 | 12 | 1 | 13 | 7.6923  |
| 14 | 12 | 1 | 13 | 7.6923  |
| 15 | 10 | 1 | 11 | 9.0909  |
| 16 | 15 | 1 | 16 | 6.2500  |
| 17 | 5  | 1 | 6  | 16.6667 |
| 18 | 8  | 1 | 9  | 11.1111 |
| 19 | 10 | 0 | 10 | 0.0000  |
| 20 | 7  | 0 | 7  | 0.0000  |
| 21 | 12 | 0 | 12 | 0.0000  |
| 22 | 16 | 1 | 17 | 5.8824  |
| 23 | 12 | 0 | 12 | 0.0000  |
| 24 | 14 | 1 | 15 | 6.6667  |
| 25 | 9  | 1 | 10 | 10.0000 |
| 26 | 10 | 0 | 10 | 0.0000  |
| 27 | 7  | 0 | 7  | 0.0000  |
| 28 | 10 | 0 | 10 | 0.0000  |
| 29 | 11 | 0 | 11 | 0.0000  |
| 30 | 11 | 0 | 11 | 0.0000  |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.500
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 31 | 11 | 0 | 11 | 0.0000 |
| 32 | 12 | 0 | 12 | 0.0000 |
| 33 | 12 | 1 | 13 | 7.6923 |
| 34 | 13 | 0 | 13 | 0.0000 |
| 35 | 12 | 1 | 13 | 7.6923 |
| 36 | 11 | 1 | 12 | 8.3333 |
| 37 | 9 | 1 | 10 | 10.0000 |
| 38 | 12 | 0 | 12 | 0.0000 |
| 39 | 12 | 1 | 13 | 7.6923 |
| 40 | 16 | 0 | 16 | 0.0000 |
| 41 | 10 | 0 | 10 | 0.0000 |
| 42 | 11 | 1 | 12 | 8.3333 |
| 43 | 15 | 0 | 15 | 0.0000 |
| 44 | 12 | 0 | 12 | 0.0000 |
| 45 | 14 | 0 | 14 | 0.0000 |
| 46 | 8 | 1 | 9 | 11.1111 |
| 47 | 12 | 1 | 13 | 7.6923 |
| 48 | 14 | 0 | 14 | 0.0000 |
| 49 | 11 | 0 | 11 | 0.0000 |
| 50 | 13 | 1 | 14 | 7.1429 |
| 51 | 14 | 0 | 14 | 0.0000 |
| 52 | 12 | 0 | 12 | 0.0000 |
| 53 | 13 | 1 | 14 | 7.1429 |
| 54 | 10 | 1 | 11 | 9.0909 |
| 55 | 17 | 1 | 18 | 5.5556 |
| 56 | 10 | 1 | 11 | 9.0909 |
| 57 | 12 | 1 | 13 | 7.6923 |
| 58 | 14 | 1 | 15 | 6.6667 |
| 59 | 9 | 1 | 10 | 10.0000 |
| 60 | 13 | 0 | 13 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 9 | 1 | 10 | 10.0000 |
| 62 | 13 | 0 | 13 | 0.0000 |
| 63 | 10 | 1 | 11 | 9.0909 |
| 64 | 6 | 1 | 7 | 14.2857 |
| 65 | 14 | 1 | 15 | 6.6667 |
| 66 | 14 | 1 | 15 | 6.6667 |
| 67 | 9 | 0 | 9 | 0.0000 |
| 68 | 12 | 0 | 12 | 0.0000 |
| 69 | 10 | 0 | 10 | 0.0000 |
| 70 | 12 | 1 | 13 | 7.6923 |
| 71 | 12 | 1 | 13 | 7.6923 |
| 72 | 12 | 1 | 13 | 7.6923 |
| 73 | 13 | 0 | 13 | 0.0000 |
| 74 | 10 | 0 | 10 | 0.0000 |
| 75 | 7 | 0 | 7 | 0.0000 |
| 76 | 10 | 0 | 10 | 0.0000 |
| 77 | 16 | 1 | 17 | 5.8824 |
| 78 | 12 | 0 | 12 | 0.0000 |
| 79 | 12 | 1 | 13 | 7.6923 |
| 80 | 15 | 0 | 15 | 0.0000 |
| 81 | 15 | 1 | 16 | 6.2500 |
| 82 | 14 | 0 | 14 | 0.0000 |
| 83 | 10 | 0 | 10 | 0.0000 |
| 84 | 10 | 1 | 11 | 9.0909 |
| 85 | 11 | 1 | 12 | 8.3333 |
| 86 | 12 | 1 | 13 | 7.6923 |
| 87 | 9 | 0 | 9 | 0.0000 |
| 88 | 12 | 0 | 12 | 0.0000 |
| 89 | 15 | 0 | 15 | 0.0000 |
| 90 | 12 | 0 | 12 | 0.0000 |

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.500
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91 | 11 | 0 | 11 | 0.0000 |
| 92 | 13 | 0 | 13 | 0.0000 |
| 93 | 14 | 0 | 14 | 0.0000 |
| 94 | 9 | 0 | 9 | 0.0000 |
| 95 | 15 | 0 | 15 | 0.0000 |
| 96 | 11 | 0 | 11 | 0.0000 |
| 97 | 9 | 0 | 9 | 0.0000 |
| 98 | 12 | 1 | 13 | 7.6923 |
| 99 | 11 | 0 | 11 | 0.0000 |
| 100 | 9 | 0 | 9 | 0.0000 |
| 101 | 9 | 0 | 9 | 0.0000 |
| 102 | 8 | 0 | 8 | 0.0000 |
| 103 | 12 | 1 | 13 | 7.6923 |
| 104 | 12 | 1 | 13 | 7.6923 |
| 105 | 11 | 1 | 12 | 8.3333 |
| 106 | 10 | 0 | 10 | 0.0000 |
| 107 | 8 | 1 | 9 | 11.1111 |
| 108 | 12 | 1 | 13 | 7.6923 |
| 109 | 6 | 1 | 7 | 14.2857 |
| 110 | 7 | 1 | 8 | 12.5000 |
| 111 | 12 | 0 | 12 | 0.0000 |
| 112 | 12 | 0 | 12 | 0.0000 |
| 113 | 13 | 1 | 14 | 7.1429 |
| 114 | 9 | 1 | 10 | 10.0000 |
| 115 | 13 | 0 | 13 | 0.0000 |
| 116 | 8 | 0 | 8 | 0.0000 |
| 117 | 14 | 1 | 15 | 6.6667 |
| 118 | 10 | 1 | 11 | 9.0909 |
| 119 | 11 | 0 | 11 | 0.0000 |
| 120 | 13 | 1 | 14 | 7.1429 |
| TOTAL | 1342 | 57 | 1399 | 4.0743 |

A-140

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:  120
SENSOR PERIOD:  300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:  240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 12 | 0 | 12 | 0.0000 |
| 2 | 11 | 0 | 11 | 0.0000 |
| 3 | 12 | 1 | 13 | 7.6923 |
| 4 | 12 | 0 | 12 | 0.0000 |
| 5 | 12 | 1 | 13 | 7.6923 |
| 6 | 10 | 0 | 10 | 0.0000 |
| 7 | 9 | 1 | 10 | 10.0000 |
| 8 | 10 | 1 | 11 | 9.0909 |
| 9 | 12 | 0 | 12 | 0.0000 |
| 10 | 13 | 0 | 13 | 0.0000 |
| 11 | 12 | 1 | 13 | 7.6923 |
| 12 | 9 | 0 | 9 | 0.0000 |
| 13 | 14 | 1 | 15 | 6.6667 |
| 14 | 8 | 0 | 8 | 0.0000 |
| 15 | 17 | 0 | 17 | 0.0000 |
| 16 | 11 | 1 | 12 | 8.3333 |
| 17 | 9 | 1 | 10 | 10.0000 |
| 18 | 13 | 0 | 13 | 0.0000 |
| 19 | 12 | 0 | 12 | 0.0000 |
| 20 | 12 | 1 | 13 | 7.6923 |
| 21 | 8 | 0 | 8 | 0.0000 |
| 22 | 9 | 1 | 10 | 10.0000 |
| 23 | 11 | 1 | 12 | 8.3333 |
| 24 | 14 | 0 | 14 | 0.0000 |
| 25 | 13 | 0 | 13 | 0.0000 |
| 26 | 8 | 0 | 8 | 0.0000 |
| 27 | 11 | 0 | 11 | 0.0000 |
| 28 | 13 | 1 | 14 | 7.1429 |
| 29 | 12 | 0 | 12 | 0.0000 |
| 30 | 6 | 1 | 7 | 14.2857 |

A-141

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:   120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:   240
PROB. OF TGT.:   0.500
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 11 | 1 | 12 | 8.3333 |
| 32 | 10 | 0 | 10 | 0.0000 |
| 33 | 12 | 1 | 13 | 7.6923 |
| 34 | 17 | 0 | 17 | 0.0000 |
| 35 | 9 | 1 | 10 | 10.0000 |
| 36 | 12 | 0 | 12 | 0.0000 |
| 37 | 9 | 0 | 9 | 0.0000 |
| 38 | 16 | 0 | 16 | 0.0000 |
| 39 | 10 | 1 | 11 | 9.0909 |
| 40 | 15 | 1 | 16 | 6.2500 |
| 41 | 15 | 1 | 16 | 6.2500 |
| 42 | 5 | 1 | 6 | 16.6667 |
| 43 | 15 | 0 | 15 | 0.0000 |
| 44 | 12 | 0 | 12 | 0.0000 |
| 45 | 11 | 0 | 11 | 0.0000 |
| 46 | 9 | 0 | 9 | 0.0000 |
| 47 | 12 | 0 | 12 | 0.0000 |
| 48 | 10 | 1 | 11 | 9.0909 |
| 49 | 9 | 0 | 9 | 0.0000 |
| 50 | 11 | 1 | 12 | 8.3333 |
| 51 | 13 | 1 | 14 | 7.1429 |
| 52 | 12 | 0 | 12 | 0.0000 |
| 53 | 11 | 0 | 11 | 0.0000 |
| 54 | 7 | 0 | 7 | 0.0000 |
| 55 | 8 | 1 | 9 | 11.1111 |
| 56 | 9 | 1 | 10 | 10.0000 |
| 57 | 10 | 1 | 11 | 9.0909 |
| 58 | 11 | 1 | 12 | 8.3333 |
| 59 | 12 | 1 | 13 | 7.6923 |
| 60 | 11 | 1 | 12 | 8.3333 |

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT-RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:   0.500
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 13 | 0 | 13 | 0.0000 |
| 62 | 13 | 1 | 14 | 7.1429 |
| 63 | 14 | 1 | 15 | 6.6667 |
| 64 | 14 | 0 | 14 | 0.0000 |
| 65 | 15 | 1 | 16 | 6.2500 |
| 66 | 11 | 1 | 12 | 8.3333 |
| 67 | 10 | 1 | 11 | 9.0909 |
| 68 | 8 | 0 | 8 | 0.0000 |
| 69 | 7 | 1 | 8 | 12.5000 |
| 70 | 12 | 0 | 12 | 0.0000 |
| 71 | 13 | 1 | 14 | 7.1429 |
| 72 | 9 | 0 | 9 | 0.0000 |
| 73 | 9 | 0 | 9 | 0.0000 |
| 74 | 12 | 0 | 12 | 0.0000 |
| 75 | 15 | 0 | 15 | 0.0000 |
| 76 | 16 | 1 | 17 | 5.8824 |
| 77 | 14 | 0 | 14 | 0.0000 |
| 78 | 14 | 1 | 15 | 6.6667 |
| 79 | 14 | 1 | 15 | 6.6667 |
| 80 | 17 | 1 | 18 | 5.5556 |
| 81 | 12 | 1 | 13 | 7.6923 |
| 82 | 12 | 1 | 13 | 7.6923 |
| 83 | 13 | 0 | 13 | 0.0000 |
| 84 | 9 | 0 | 9 | 0.0000 |
| 85 | 10 | 1 | 11 | 9.0909 |
| 86 | 10 | 1 | 11 | 9.0909 |
| 87 | 10 | 1 | 11 | 9.0909 |
| 88 | 12 | 0 | 12 | 0.0000 |
| 89 | 11 | 1 | 12 | 8.3333 |
| 90 | 11 | 1 | 12 | 8.3333 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:   3240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91  | 10 | 1 | 11 | 9.0909  |
| 92  | 12 | 1 | 13 | 7.6923  |
| 93  | 13 | 1 | 14 | 7.1429  |
| 94  | 8  | 1 | 9  | 11.1111 |
| 95  | 12 | 0 | 12 | 0.0000  |
| 96  | 9  | 0 | 9  | 0.0000  |
| 97  | 7  | 1 | 8  | 12.5000 |
| 98  | 13 | 1 | 14 | 7.1429  |
| 99  | 11 | 1 | 12 | 8.3333  |
| 100 | 8  | 0 | 8  | 0.0000  |
| 101 | 10 | 1 | 11 | 9.0909  |
| 102 | 11 | 1 | 12 | 8.3333  |
| 103 | 9  | 1 | 10 | 10.0000 |
| 104 | 9  | 0 | 9  | 0.0000  |
| 105 | 10 | 0 | 10 | 0.0000  |
| 106 | 10 | 0 | 10 | 0.0000  |
| 107 | 12 | 1 | 13 | 7.6923  |
| 108 | 11 | 1 | 12 | 8.3333  |
| 109 | 7  | 0 | 7  | 0.0000  |
| 110 | 14 | 1 | 15 | 6.6667  |
| 111 | 13 | 0 | 13 | 0.0000  |
| 112 | 12 | 1 | 13 | 7.6923  |
| 113 | 10 | 0 | 10 | 0.0000  |
| 114 | 6  | 0 | 6  | 0.0000  |
| 115 | 7  | 0 | 7  | 0.0000  |
| 116 | 9  | 1 | 10 | 10.0000 |
| 117 | 11 | 0 | 11 | 0.0000  |
| 118 | 12 | 0 | 12 | 0.0000  |
| 119 | 12 | 1 | 13 | 7.6923  |
| 120 | 9  | 0 | 9  | 0.0000  |
| TOTAL | 1336 | 63 | 1399 | 4.5032 |

A-144

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 5
SENSOR PERIOD: 30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 0 | 114 | 114 | 100.0000 |
| 2 | 0 | 92 | 92 | 100.0000 |
| 3 | 0 | 97 | 97 | 100.0000 |
| 4 | 0 | 116 | 116 | 100.0000 |
| 5 | 0 | 94 | 94 | 100.0000 |
| TOTAL | 0 | 513 | 513 | 100.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:       5
SENSOR PERIOD:      30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- | | | PERCENT DROPPED |
|---|---|---|---|---|
| | SENT | DROPPED | TOTAL | |
| 1 | 120 | 1 | 121 | 0.8264 |
| 2 | 107 | 0 | 107 | 0.0000 |
| 3 | 112 | 1 | 113 | 0.8850 |
| 4 | 112 | 1 | 113 | 0.8850 |
| 5 | 115 | 1 | 116 | 0.8621 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 566 | 4 | 570 | 0.7018 |

A-146

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 1 | 88 | 9 | 97 | 9.2784 |
| 2 | 92 | 8 | 100 | 8.0000 |
| 3 | 109 | 6 | 115 | 5.2174 |
| 4 | 102 | 5 | 107 | 4.6729 |
| 5 | 84 | 10 | 94 | 10.6383 |
| 6 | 99 | 9 | 108 | 8.3333 |
| 7 | 99 | 11 | 110 | 10.0000 |
| 8 | 93 | 12 | 105 | 11.4286 |
| 9 | 105 | 5 | 110 | 4.5455 |
| 10 | 96 | 7 | 103 | 6.7961 |
| TOTAL | 967 | 82 | 1049 | 7.8170 |

INT. SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 10
SENSØR PERIØD: 30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 110 | 4 | 114 | 3.5088 |
| 2 | 101 | 2 | 103 | 1.9417 |
| 3 | 114 | 1 | 115 | 0.8696 |
| 4 | 99 | 1 | 100 | 1.0000 |
| 5 | 95 | 2 | 97 | 2.0619 |
| 6 | 109 | 2 | 111 | 1.8018 |
| 7 | 114 | 1 | 115 | 0.8696 |
| 8 | 107 | 0 | 107 | 0.0000 |
| 9 | 114 | 2 | 116 | 1.7241 |
| 10 | 101 | 1 | 102 | 0.9804 |
| TØTAL | 1064 | 16 | 1080 | 1.4815 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 101 | 14 | 115 | 12.1739 |
| 2  | 99  | 17 | 116 | 14.6552 |
| 3  | 107 | 10 | 117 | 8.5470 |
| 4  | 100 | 15 | 115 | 13.0435 |
| 5  | 107 | 15 | 122 | 12.2951 |
| 6  | 91  | 10 | 101 | 9.9010 |
| 7  | 121 | 12 | 133 | 9.0226 |
| 8  | 110 | 15 | 125 | 12.0000 |
| 9  | 99  | 12 | 111 | 10.8108 |
| 10 | 112 | 7  | 119 | 5.8824 |
| TOTAL | 1047 | 127 | 1174 | 10.8177 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     20
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 110 | 4 | 114 | 3.5088 |
| 2 | 98 | 6 | 104 | 5.7692 |
| 3 | 105 | 8 | 113 | 7.0796 |
| 4 | 114 | 3 | 117 | 2.5641 |
| 5 | 90 | 8 | 98 | 8.1633 |
| 6 | 101 | 5 | 106 | 4.7170 |
| 7 | 108 | 5 | 113 | 4.4248 |
| 8 | 108 | 7 | 115 | 6.0870 |
| 9 | 102 | 8 | 110 | 7.2727 |
| 10 | 99 | 6 | 105 | 5.7143 |
| 11 | 101 | 8 | 109 | 7.3394 |
| 12 | 91 | 6 | 97 | 6.1856 |
| 13 | 108 | 6 | 114 | 5.2632 |
| 14 | 116 | 9 | 125 | 7.2000 |
| 15 | 94 | 9 | 103 | 8.7379 |
| 16 | 101 | 8 | 109 | 7.3394 |
| 17 | 89 | 8 | 97 | 8.2474 |
| 18 | 120 | 6 | 126 | 4.7619 |
| 19 | 107 | 5 | 112 | 4.4643 |
| 20 | 95 | 6 | 101 | 5.9406 |
| TOTAL | 2057 | 131 | 2188 | 5.9872 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    20
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 99   | 14 | 113 | 12.3894 |
| 2  | 98   | 8  | 106 | 7.5472  |
| 3  | 103  | 14 | 117 | 11.9658 |
| 4  | 110  | 13 | 123 | 10.5691 |
| 5  | 99   | 17 | 116 | 14.6552 |
| 6  | 71   | 16 | 87  | 18.3908 |
| 7  | 94   | 11 | 105 | 10.4762 |
| 8  | 100  | 14 | 114 | 12.2807 |
| 9  | 103  | 6  | 109 | 5.5046  |
| 10 | 92   | 15 | 107 | 14.0187 |
| 11 | 103  | 10 | 113 | 8.8496  |
| 12 | 89   | 13 | 102 | 12.7451 |
| 13 | 92   | 14 | 106 | 13.2075 |
| 14 | 109  | 15 | 124 | 12.0968 |
| 15 | 97   | 9  | 106 | 8.4906  |
| 16 | 97   | 16 | 113 | 14.1593 |
| 17 | 109  | 16 | 125 | 12.8000 |
| 18 | 124  | 12 | 136 | 8.8235  |
| 19 | 106  | 19 | 125 | 15.2000 |
| 20 | 97   | 15 | 112 | 13.3929 |
| TOTAL | 1992 | 267 | 2259 | 11.8194 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:        5
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 2 | 0 | 2 | 0.0000 |
| 2 | 3 | 0 | 3 | 0.0000 |
| 3 | 3 | 0 | 3 | 0.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 2 | 0 | 2 | 0.0000 |
| TOTAL | 11 | 0 | 11 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 1 | 0 | 1 | 0.0000 |
| 2 | 1 | 0 | 1 | 0.0000 |
| 3 | 2 | 1 | 3 | 33.3333 |
| 4 | 2 | 0 | 2 | 0.0000 |
| 5 | 3 | 1 | 4 | 25.0000 |
| 6 | 1 | 0 | 1 | 0.0000 |
| 7 | 2 | 0 | 2 | 0.0000 |
| 8 | 1 | 0 | 1 | 0.0000 |
| 9 | 6 | 0 | 6 | 0.0000 |
| 10 | 1 | 0 | 1 | 0.0000 |
| TOTAL | 20 | 2 | 22 | 9.0909 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 4 | 0 | 4 | 0.0000 |
| 2 | 0 | 0 | 0 | 0.0000 |
| 3 | 0 | 0 | 0 | 0.0000 |
| 4 | 0 | 0 | 0 | 0.0000 |
| 5 | 2 | 0 | 2 | 0.0000 |
| 6 | 1 | 0 | 1 | 0.0000 |
| 7 | 1 | 0 | 1 | 0.0000 |
| 8 | 0 | 0 | 0 | 0.0000 |
| 9 | 0 | 0 | 0 | 0.0000 |
| 10 | 0 | 0 | 0 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 8 | 0 | 8 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     30
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 0 | 0 | 0 | 0.0000 |
| 2 | 1 | 0 | 1 | 0.0000 |
| 3 | 0 | 0 | 0 | 0.0000 |
| 4 | 0 | 0 | 0 | 0.0000 |
| 5 | 1 | 0 | 1 | 0.0000 |
| 6 | 2 | 0 | 2 | 0.0000 |
| 7 | 0 | 0 | 0 | 0.0000 |
| 8 | 0 | 1 | 1 | 100.0000 |
| 9 | 0 | 0 | 0 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| 11 | 3 | 0 | 3 | 0.0000 |
| 12 | 2 | 0 | 2 | 0.0000 |
| 13 | 1 | 0 | 1 | 0.0000 |
| 14 | 2 | 0 | 2 | 0.0000 |
| 15 | 1 | 0 | 1 | 0.0000 |
| 16 | 2 | 0 | 2 | 0.0000 |
| 17 | 0 | 1 | 1 | 100.0000 |
| 18 | 0 | 0 | 0 | 0.0000 |
| 19 | 2 | 1 | 3 | 33.3333 |
| 20 | 2 | 0 | 2 | 0.0000 |
| 21 | 2 | 0 | 2 | 0.0000 |
| 22 | 0 | 0 | 0 | 0.0000 |
| 23 | 0 | 0 | 0 | 0.0000 |
| 24 | 1 | 0 | 1 | 0.0000 |
| 25 | 1 | 0 | 1 | 0.0000 |
| 26 | 1 | 0 | 1 | 0.0000 |
| 27 | 3 | 1 | 4 | 25.0000 |
| 28 | 3 | 0 | 3 | 0.0000 |
| 29 | 0 | 0 | 0 | 0.0000 |
| 30 | 0 | 0 | 0 | 0.0000 |
| TOTAL | 32 | 4 | 36 | 11.1111 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 5 | 1 | 6 | 16.6667 |
| 2  | 4 | 0 | 4 | 0.0000 |
| 3  | 3 | 0 | 3 | 0.0000 |
| 4  | 4 | 0 | 4 | 0.0000 |
| 5  | 3 | 0 | 3 | 0.0000 |
| 6  | 1 | 0 | 1 | 0.0000 |
| 7  | 0 | 0 | 0 | 0.0000 |
| 8  | 4 | 0 | 4 | 0.0000 |
| 9  | 3 | 0 | 3 | 0.0000 |
| 10 | 3 | 1 | 4 | 25.0000 |
| 11 | 5 | 0 | 5 | 0.0000 |
| 12 | 2 | 0 | 2 | 0.0000 |
| 13 | 4 | 0 | 4 | 0.0000 |
| 14 | 2 | 0 | 2 | 0.0000 |
| 15 | 4 | 0 | 4 | 0.0000 |
| 16 | 2 | 0 | 2 | 0.0000 |
| 17 | 0 | 0 | 0 | 0.0000 |
| 18 | 1 | 0 | 1 | 0.0000 |
| 19 | 1 | 0 | 1 | 0.0000 |
| 20 | 3 | 0 | 3 | 0.0000 |
| 21 | 2 | 0 | 2 | 0.0000 |
| 22 | 0 | 0 | 0 | 0.0000 |
| 23 | 3 | 0 | 3 | 0.0000 |
| 24 | 5 | 0 | 5 | 0.0000 |
| 25 | 3 | 0 | 3 | 0.0000 |
| 26 | 3 | 0 | 3 | 0.0000 |
| 27 | 1 | 0 | 1 | 0.0000 |
| 28 | 1 | 0 | 1 | 0.0000 |
| 29 | 1 | 0 | 1 | 0.0000 |
| 30 | 0 | 1 | 1 | 100.0000 |

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 4 | 0 | 4 | 0.0000 |
| 32 | 0 | 0 | 0 | 0.0000 |
| 33 | 0 | 1 | 1 | 100.0000 |
| 34 | 2 | 0 | 2 | 0.0000 |
| 35 | 0 | 1 | 1 | 100.0000 |
| 36 | 2 | 0 | 2 | 0.0000 |
| 37 | 3 | 0 | 3 | 0.0000 |
| 38 | 1 | 0 | 1 | 0.0000 |
| 39 | 3 | 0 | 3 | 0.0000 |
| 40 | 0 | 0 | 0 | 0.0000 |
| 41 | 2 | 1 | 3 | 33.3333 |
| 42 | 2 | 0 | 2 | 0.0000 |
| 43 | 2 | 0 | 2 | 0.0000 |
| 44 | 1 | 0 | 1 | 0.0000 |
| 45 | 3 | 0 | 3 | 0.0000 |
| 46 | 3 | 0 | 3 | 0.0000 |
| 47 | 1 | 1 | 2 | 50.0000 |
| 48 | 4 | 0 | 4 | 0.0000 |
| 49 | 4 | 0 | 4 | 0.0000 |
| 50 | 1 | 1 | 2 | 50.0000 |
| 51 | 3 | 0 | 3 | 0.0000 |
| 52 | 1 | 0 | 1 | 0.0000 |
| 53 | 2 | 0 | 2 | 0.0000 |
| 54 | 4 | 0 | 4 | 0.0000 |
| 55 | 5 | 0 | 5 | 0.0000 |
| 56 | 4 | 0 | 4 | 0.0000 |
| 57 | 1 | 0 | 1 | 0.0000 |
| 58 | 3 | 1 | 4 | 25.0000 |
| 59 | 2 | 0 | 2 | 0.0000 |
| 60 | 1 | 0 | 1 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     120
SENSOR PERIOD:     300. SEC
SENSOR BUFFER:     5240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:     0.100
LENGTH OF RUN:     2.00 HRS

| SENSOR | ----MESSAGES---- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 0 | 0 | 0 | 0.0000 |
| 62 | 2 | 0 | 2 | 0.0000 |
| 63 | 2 | 0 | 2 | 0.0000 |
| 64 | 3 | 0 | 3 | 0.0000 |
| 65 | 1 | 0 | 1 | 0.0000 |
| 66 | 2 | 1 | 3 | 33.3333 |
| 67 | 0 | 1 | 1 | 100.0000 |
| 68 | 1 | 2 | 3 | 66.6667 |
| 69 | 1 | 1 | 2 | 50.0000 |
| 70 | 0 | 0 | 0 | 0.0000 |
| 71 | 0 | 0 | 0 | 0.0000 |
| 72 | 2 | 0 | 2 | 0.0000 |
| 73 | 4 | 0 | 4 | 0.0000 |
| 74 | 1 | 1 | 2 | 50.0000 |
| 75 | 1 | 0 | 1 | 0.0000 |
| 76 | 0 | 0 | 0 | 0.0000 |
| 77 | 2 | 0 | 2 | 0.0000 |
| 78 | 4 | 0 | 4 | 0.0000 |
| 79 | 0 | 1 | 1 | 100.0000 |
| 80 | 1 | 0 | 1 | 0.0000 |
| 81 | 1 | 0 | 1 | 0.0000 |
| 82 | 0 | 0 | 0 | 0.0000 |
| 83 | 3 | 0 | 3 | 0.0000 |
| 84 | 3 | 0 | 3 | 0.0000 |
| 85 | 4 | 0 | 4 | 0.0000 |
| 86 | 2 | 1 | 3 | 33.3333 |
| 87 | 2 | 0 | 2 | 0.0000 |
| 88 | 1 | 0 | 1 | 0.0000 |
| 89 | 4 | 0 | 4 | 0.0000 |
| 90 | 1 | 0 | 1 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     120
SENSOR PERIOD:     300. SEC
SENSOR BUFFER:     5240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:     0.100
LENGTH OF RUN:     2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 91 | 2 | 0 | 2 | 0.0000 |
| 92 | 5 | 0 | 5 | 0.0000 |
| 93 | 1 | 0 | 1 | 0.0000 |
| 94 | 2 | 0 | 2 | 0.0000 |
| 95 | 2 | 0 | 2 | 0.0000 |
| 96 | 2 | 0 | 2 | 0.0000 |
| 97 | 3 | 0 | 3 | 0.0000 |
| 98 | 5 | 0 | 5 | 0.0000 |
| 99 | 1 | 0 | 1 | 0.0000 |
| 100 | 2 | 0 | 2 | 0.0000 |
| 101 | 1 | 0 | 1 | 0.0000 |
| 102 | 0 | 0 | 0 | 0.0000 |
| 103 | 2 | 1 | 3 | 33.3333 |
| 104 | 2 | 0 | 2 | 0.0000 |
| 105 | 1 | 1 | 2 | 50.0000 |
| 106 | 1 | 0 | 1 | 0.0000 |
| 107 | 2 | 0 | 2 | 0.0000 |
| 108 | 1 | 0 | 1 | 0.0000 |
| 109 | 4 | 0 | 4 | 0.0000 |
| 110 | 1 | 0 | 1 | 0.0000 |
| 111 | 2 | 0 | 2 | 0.0000 |
| 112 | 1 | 0 | 1 | 0.0000 |
| 113 | 2 | 0 | 2 | 0.0000 |
| 114 | 4 | 0 | 4 | 0.0000 |
| 115 | 0 | 0 | 0 | 0.0000 |
| 116 | 4 | 0 | 4 | 0.0000 |
| 117 | 1 | 0 | 1 | 0.0000 |
| 118 | 1 | 1 | 2 | 50.0000 |
| 119 | 3 | 0 | 3 | 0.0000 |
| 120 | 1 | 1 | 2 | 50.0000 |
| TOTAL | 244 | 21 | 265 | 7.9245 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.100
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 2 | 0 | 2 | 0.0000 |
| 2 | 4 | 0 | 4 | 0.0000 |
| 3 | 2 | 0 | 2 | 0.0000 |
| 4 | 4 | 0 | 4 | 0.0000 |
| 5 | 2 | 0 | 2 | 0.0000 |
| 6 | 0 | 0 | 0 | 0.0000 |
| 7 | 2 | 0 | 2 | 0.0000 |
| 8 | 2 | 1 | 3 | 33.3333 |
| 9 | 2 | 0 | 2 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| 11 | 1 | 0 | 1 | 0.0000 |
| 12 | 3 | 0 | 3 | 0.0000 |
| 13 | 5 | 1 | 6 | 16.6667 |
| 14 | 2 | 0 | 2 | 0.0000 |
| 15 | 4 | 0 | 4 | 0.0000 |
| 16 | 3 | 0 | 3 | 0.0000 |
| 17 | 3 | 0 | 3 | 0.0000 |
| 18 | 1 | 0 | 1 | 0.0000 |
| 19 | 3 | 0 | 3 | 0.0000 |
| 20 | 4 | 0 | 4 | 0.0000 |
| 21 | 2 | 0 | 2 | 0.0000 |
| 22 | 1 | 0 | 1 | 0.0000 |
| 23 | 2 | 0 | 2 | 0.0000 |
| 24 | 2 | 0 | 2 | 0.0000 |
| 25 | 1 | 0 | 1 | 0.0000 |
| 26 | 1 | 0 | 1 | 0.0000 |
| 27 | 5 | 1 | 6 | 16.6667 |
| 28 | 0 | 1 | 1 | 100.0000 |
| 29 | 1 | 0 | 1 | 0.0000 |
| 30 | 3 | 1 | 4 | 25.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 2 | 0 | 2 | 0.0000 |
| 32 | 1 | 0 | 1 | 0.0000 |
| 33 | 4 | 1 | 5 | 20.0000 |
| 34 | 0 | 1 | 1 | 100.0000 |
| 35 | 2 | 0 | 2 | 0.0000 |
| 36 | 2 | 0 | 2 | 0.0000 |
| 37 | 3 | 0 | 3 | 0.0000 |
| 38 | 3 | 0 | 3 | 0.0000 |
| 39 | 3 | 0 | 3 | 0.0000 |
| 40 | 1 | 0 | 1 | 0.0000 |
| 41 | 1 | 0 | 1 | 0.0000 |
| 42 | 2 | 0 | 2 | 0.0000 |
| 43 | 2 | 0 | 2 | 0.0000 |
| 44 | 3 | 0 | 3 | 0.0000 |
| 45 | 3 | 0 | 3 | 0.0000 |
| 46 | 1 | 0 | 1 | 0.0000 |
| 47 | 1 | 0 | 1 | 0.0000 |
| 48 | 4 | 0 | 4 | 0.0000 |
| 49 | 2 | 0 | 2 | 0.0000 |
| 50 | 1 | 1 | 2 | 50.0000 |
| 51 | 3 | 1 | 4 | 25.0000 |
| 52 | 1 | 0 | 1 | 0.0000 |
| 53 | 3 | 1 | 4 | 25.0000 |
| 54 | 3 | 0 | 3 | 0.0000 |
| 55 | 2 | 0 | 2 | 0.0000 |
| 56 | 1 | 0 | 1 | 0.0000 |
| 57 | 4 | 0 | 4 | 0.0000 |
| 58 | 2 | 0 | 2 | 0.0000 |
| 59 | 1 | 1 | 2 | 50.0000 |
| 60 | 2 | 0 | 2 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 61 | 4 | 0 | 4 | 0.0000 |
| 62 | 2 | 0 | 2 | 0.0000 |
| 63 | 1 | 0 | 1 | 0.0000 |
| 64 | 0 | 0 | 0 | 0.0000 |
| 65 | 2 | 0 | 2 | 0.0000 |
| 66 | 3 | 0 | 3 | 0.0000 |
| 67 | 2 | 0 | 2 | 0.0000 |
| 68 | 1 | 0 | 1 | 0.0000 |
| 69 | 2 | 0 | 2 | 0.0000 |
| 70 | 2 | 0 | 2 | 0.0000 |
| 71 | 1 | 0 | 1 | 0.0000 |
| 72 | 2 | 1 | 3 | 33.3333 |
| 73 | 0 | 0 | 0 | 0.0000 |
| 74 | 1 | 1 | 2 | 50.0000 |
| 75 | 2 | 0 | 2 | 0.0000 |
| 76 | 4 | 2 | 6 | 33.3333 |
| 77 | 1 | 2 | 3 | 66.6667 |
| 78 | 0 | 0 | 0 | 0.0000 |
| 79 | 2 | 0 | 2 | 0.0000 |
| 80 | 0 | 0 | 0 | 0.0000 |
| 81 | 4 | 1 | 5 | 20.0000 |
| 82 | 2 | 0 | 2 | 0.0000 |
| 83 | 1 | 0 | 1 | 0.0000 |
| 84 | 3 | 1 | 4 | 25.0000 |
| 85 | 1 | 0 | 1 | 0.0000 |
| 86 | 3 | 0 | 3 | 0.0000 |
| 87 | 3 | 0 | 3 | 0.0000 |
| 88 | 3 | 0 | 3 | 0.0000 |
| 89 | 5 | 0 | 5 | 0.0000 |
| 90 | 3 | 0 | 3 | 0.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 91 | 4 | 0 | 4 | 0.0000 |
| 92 | 2 | 0 | 2 | 0.0000 |
| 93 | 1 | 0 | 1 | 0.0000 |
| 94 | 1 | 0 | 1 | 0.0000 |
| 95 | 2 | 0 | 2 | 0.0000 |
| 96 | 2 | 0 | 2 | 0.0000 |
| 97 | 1 | 0 | 1 | 0.0000 |
| 98 | 3 | 0 | 3 | 0.0000 |
| 99 | 5 | 0 | 5 | 0.0000 |
| 100 | 1 | 0 | 1 | 0.0000 |
| 101 | 2 | 0 | 2 | 0.0000 |
| 102 | 1 | 0 | 1 | 0.0000 |
| 103 | 0 | 0 | 0 | 0.0000 |
| 104 | 1 | 0 | 1 | 0.0000 |
| 105 | 1 | 0 | 1 | 0.0000 |
| 106 | 1 | 0 | 1 | 0.0000 |
| 107 | 1 | 0 | 1 | 0.0000 |
| 108 | 2 | 0 | 2 | 0.0000 |
| 109 | 2 | 0 | 2 | 0.0000 |
| 110 | 3 | 0 | 3 | 0.0000 |
| 111 | 2 | 0 | 2 | 0.0000 |
| 112 | 0 | 0 | 0 | 0.0000 |
| 113 | 0 | 0 | 0 | 0.0000 |
| 114 | 4 | 0 | 4 | 0.0000 |
| 115 | 0 | 0 | 0 | 0.0000 |
| 116 | 1 | 0 | 1 | 0.0000 |
| 117 | 3 | 0 | 3 | 0.0000 |
| 118 | 1 | 0 | 1 | 0.0000 |
| 119 | 0 | 0 | 0 | 0.0000 |
| 120 | 4 | 0 | 4 | 0.0000 |
| ----- | ----- | ----- | ----- | -------- |
| TOTAL | 243 | 19 | 262 | 7.2519 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:       5
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 0 | 8 | 8 | 100.0000 |
| 2 | 0 | 8 | 8 | 100.0000 |
| 3 | 0 | 4 | 4 | 100.0000 |
| 4 | 0 | 6 | 6 | 100.0000 |
| 5 | 0 | 3 | 3 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 0 | 29 | 29 | 100.0000 |

RUN DATA:
NO OF SENSORS:          5
SENSOR PERIOD:          30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER POLL:      240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- | | | PERCENT DROPPED |
| | SENT | DROPPED | TOTAL | |
| 1 | 17 | 1 | 18 | 5.5556 |
| 2 | 14 | 0 | 14 | 0.0000 |
| 3 | 26 | 1 | 27 | 3.7037 |
| 4 | 17 | 3 | 20 | 15.0000 |
| 5 | 17 | 2 | 19 | 10.5263 |
| TOTAL | 91 | 7 | 98 | 7.1429 |

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INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 16 | 4 | 20 | 20.0000 |
| 2 | 23 | 3 | 26 | 11.5385 |
| 3 | 20 | 2 | 22 | 9.0909 |
| 4 | 18 | 4 | 22 | 18.1818 |
| 5 | 9 | 2 | 11 | 18.1818 |
| 6 | 22 | 4 | 26 | 15.3846 |
| 7 | 21 | 0 | 21 | 0.0000 |
| 8 | 23 | 2 | 25 | 8.0000 |
| 9 | 16 | 4 | 20 | 20.0000 |
| 10 | 17 | 3 | 20 | 15.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 185 | 28 | 213 | 13.1455 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 16 | 2 | 18 | 11.1111 |
| 2 | 26 | 0 | 26 | 0.0000 |
| 3 | 14 | 1 | 15 | 6.6667 |
| 4 | 20 | 2 | 22 | 9.0909 |
| 5 | 16 | 2 | 18 | 11.1111 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 22 | 3 | 25 | 12.0000 |
| 8 | 21 | 1 | 22 | 4.5455 |
| 9 | 19 | 1 | 20 | 5.0000 |
| 10 | 25 | 0 | 25 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 201 | 13 | 214 | 6.0748 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:     30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 1 | 23 | 1 | 24 | 4.1667 |
| 2 | 26 | 1 | 27 | 3.7037 |
| 3 | 24 | 1 | 25 | 4.0000 |
| 4 | 21 | 2 | 23 | 8.6957 |
| 5 | 16 | 2 | 18 | 11.1111 |
| 6 | 14 | 0 | 14 | 0.0000 |
| 7 | 25 | 0 | 25 | 0.0000 |
| 8 | 22 | 0 | 22 | 0.0000 |
| 9 | 18 | 2 | 20 | 10.0000 |
| 10 | 22 | 0 | 22 | 0.0000 |
| TOTAL | 211 | 9 | 220 | 4.0909 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     20
SENSOR PERIOD:     30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 18 | 2 | 20 | 10.0000 |
| 2  | 21 | 2 | 23 | 8.6957  |
| 3  | 24 | 1 | 25 | 4.0000  |
| 4  | 16 | 2 | 18 | 11.1111 |
| 5  | 23 | 2 | 25 | 8.0000  |
| 6  | 16 | 1 | 17 | 5.8824  |
| 7  | 14 | 2 | 16 | 12.5000 |
| 8  | 21 | 1 | 22 | 4.5455  |
| 9  | 17 | 4 | 21 | 19.0476 |
| 10 | 20 | 2 | 22 | 9.0909  |
| 11 | 23 | 4 | 27 | 14.8148 |
| 12 | 19 | 5 | 24 | 20.8333 |
| 13 | 19 | 1 | 20 | 5.0000  |
| 14 | 26 | 3 | 29 | 10.3448 |
| 15 | 16 | 2 | 18 | 11.1111 |
| 16 | 23 | 2 | 25 | 8.0000  |
| 17 | 17 | 1 | 18 | 5.5556  |
| 18 | 24 | 1 | 25 | 4.0000  |
| 19 | 17 | 2 | 19 | 10.5263 |
| 20 | 30 | 1 | 31 | 3.2258  |
| TOTAL | 404 | 41 | 445 | 9.2135 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    20
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 27  | 0 | 27  | 0.0000 |
| 2  | 26  | 0 | 26  | 0.0000 |
| 3  | 18  | 1 | 19  | 5.2632 |
| 4  | 21  | 0 | 21  | 0.0000 |
| 5  | 23  | 1 | 24  | 4.1667 |
| 6  | 21  | 0 | 21  | 0.0000 |
| 7  | 22  | 0 | 22  | 0.0000 |
| 8  | 22  | 0 | 22  | 0.0000 |
| 9  | 24  | 0 | 24  | 0.0000 |
| 10 | 28  | 0 | 28  | 0.0000 |
| 11 | 17  | 0 | 17  | 0.0000 |
| 12 | 19  | 1 | 20  | 5.0000 |
| 13 | 25  | 0 | 25  | 0.0000 |
| 14 | 22  | 0 | 22  | 0.0000 |
| 15 | 32  | 0 | 32  | 0.0000 |
| 16 | 20  | 0 | 20  | 0.0000 |
| 17 | 16  | 0 | 16  | 0.0000 |
| 18 | 22  | 0 | 22  | 0.0000 |
| 19 | 22  | 1 | 23  | 4.3478 |
| 20 | 28  | 0 | 28  | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 455 | 4 | 459 | 0.8715 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 21 | 1 | 22 | 4.5455 |
| 2 | 17 | 0 | 17 | 0.0000 |
| 3 | 19 | 1 | 20 | 5.0000 |
| 4 | 20 | 0 | 20 | 0.0000 |
| 5 | 19 | 1 | 20 | 5.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 96 | 3 | 99 | 3.0303 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 1 | 18 | 1 | 19 | 5.2632 |
| 2 | 21 | 1 | 22 | 4.5455 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 18 | 0 | 18 | 0.0000 |
| 5 | 15 | 1 | 16 | 6.2500 |
| 6 | 18 | 1 | 19 | 5.2632 |
| 7 | 17 | 1 | 18 | 5.5556 |
| 8 | 19 | 1 | 20 | 5.0000 |
| 9 | 19 | 1 | 20 | 5.0000 |
| 10 | 17 | 0 | 17 | 0.0000 |
| TOTAL | 183 | 8 | 191 | 4.1885 |

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INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

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INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   3000 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 20 | 1 | 21 | 4.7619 |
| 2  | 21 | 1 | 22 | 4.5455 |
| 3  | 21 | 1 | 22 | 4.5455 |
| 4  | 21 | 1 | 22 | 4.5455 |
| 5  | 19 | 1 | 20 | 5.0000 |
| 6  | 22 | 1 | 23 | 4.3478 |
| 7  | 22 | 1 | 23 | 4.3478 |
| 8  | 23 | 1 | 24 | 4.1667 |
| 9  | 20 | 1 | 21 | 4.7619 |
| 10 | 23 | 1 | 24 | 4.1667 |
| TOTAL | 212 | 10 | 222 | 4.5045 |

INT. SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS:     30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 22 | 1 | 23 | 4.3478 |
| 2 | 20 | 1 | 21 | 4.7619 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 23 | 1 | 24 | 4.1667 |
| 5 | 22 | 1 | 23 | 4.3478 |
| 6 | 22 | 1 | 23 | 4.3478 |
| 7 | 21 | 1 | 22 | 4.5455 |
| 8 | 19 | 1 | 20 | 5.0000 |
| 9 | 20 | 1 | 21 | 4.7619 |
| 10 | 21 | 1 | 22 | 4.5455 |
| 11 | 22 | 1 | 23 | 4.3478 |
| 12 | 23 | 1 | 24 | 4.1667 |
| 13 | 22 | 1 | 23 | 4.3478 |
| 14 | 21 | 1 | 22 | 4.5455 |
| 15 | 19 | 0 | 19 | 0.0000 |
| 16 | 19 | 1 | 20 | 5.0000 |
| 17 | 17 | 1 | 18 | 5.5556 |
| 18 | 22 | 1 | 23 | 4.3478 |
| 19 | 19 | 1 | 20 | 5.0000 |
| 20 | 22 | 1 | 23 | 4.3478 |
| 21 | 22 | 1 | 23 | 4.3478 |
| 22 | 19 | 1 | 20 | 5.0000 |
| 23 | 21 | 1 | 22 | 4.5455 |
| 24 | 20 | 1 | 21 | 4.7619 |
| 25 | 19 | 1 | 20 | 5.0000 |
| 26 | 22 | 1 | 23 | 4.3478 |
| 27 | 18 | 1 | 19 | 5.2632 |
| 28 | 19 | 1 | 20 | 5.0000 |
| 29 | 19 | 1 | 20 | 5.0000 |
| 30 | 21 | 1 | 22 | 4.5455 |
| TØTAL | 617 | 29 | 646 | 4.4892 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:   0.900
LENGTH OF RUN:    2.00 HRS

| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 20 | 1 | 21 | 4.7619 |
| 2 | 19 | 1 | 20 | 5.0000 |
| 3 | 16 | 2 | 18 | 11.1111 |
| 4 | 20 | 1 | 21 | 4.7619 |
| 5 | 18 | 1 | 19 | 5.2632 |
| 6 | 17 | 2 | 19 | 10.5263 |
| 7 | 20 | 2 | 22 | 9.0909 |
| 8 | 19 | 2 | 21 | 9.5238 |
| 9 | 18 | 0 | 18 | 0.0000 |
| 10 | 19 | 2 | 21 | 9.5238 |
| 11 | 17 | 3 | 20 | 15.0000 |
| 12 | 19 | 3 | 22 | 13.6364 |
| 13 | 19 | 3 | 22 | 13.6364 |
| 14 | 19 | 2 | 21 | 9.5238 |
| 15 | 19 | 3 | 22 | 13.6364 |
| 16 | 16 | 2 | 18 | 11.1111 |
| 17 | 19 | 2 | 21 | 9.5238 |
| 18 | 21 | 1 | 22 | 4.5455 |
| 19 | 19 | 2 | 21 | 9.5238 |
| 20 | 18 | 2 | 20 | 10.0000 |
| 21 | 13 | 2 | 15 | 13.3333 |
| 22 | 18 | 2 | 20 | 10.0000 |
| 23 | 18 | 2 | 20 | 10.0000 |
| 24 | 16 | 3 | 19 | 15.7895 |
| 25 | 19 | 2 | 21 | 9.5238 |
| 26 | 17 | 2 | 19 | 10.5263 |
| 27 | 19 | 3 | 22 | 13.6364 |
| 28 | 19 | 1 | 20 | 5.0000 |
| 29 | 20 | 2 | 22 | 9.0909 |
| 30 | 20 | 2 | 22 | 9.0909 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 17 | 2 | 19 | 10.5263 |
| 32 | 18 | 2 | 20 | 10.0000 |
| 33 | 17 | 1 | 18 | 5.5556 |
| 34 | 20 | 2 | 22 | 9.0909 |
| 35 | 19 | 2 | 21 | 9.5238 |
| 36 | 16 | 2 | 18 | 11.1111 |
| 37 | 17 | 2 | 19 | 10.5263 |
| 38 | 20 | 3 | 23 | 13.0435 |
| 39 | 18 | 2 | 20 | 10.0000 |
| 40 | 16 | 3 | 19 | 15.7895 |
| 41 | 20 | 2 | 22 | 9.0909 |
| 42 | 18 | 2 | 20 | 10.0000 |
| 43 | 20 | 2 | 22 | 9.0909 |
| 44 | 21 | 2 | 23 | 8.6957 |
| 45 | 18 | 3 | 21 | 14.2857 |
| 46 | 20 | 2 | 22 | 9.0909 |
| 47 | 19 | 2 | 21 | 9.5238 |
| 48 | 18 | 1 | 19 | 5.2632 |
| 49 | 17 | 3 | 20 | 15.0000 |
| 50 | 20 | 2 | 22 | 9.0909 |
| 51 | 17 | 2 | 19 | 10.5263 |
| 52 | 16 | 3 | 19 | 15.7895 |
| 53 | 17 | 2 | 19 | 10.5263 |
| 54 | 20 | 2 | 22 | 9.0909 |
| 55 | 18 | 2 | 20 | 10.0000 |
| 56 | 18 | 2 | 20 | 10.0000 |
| 57 | 21 | 2 | 23 | 8.6957 |
| 58 | 19 | 3 | 22 | 13.6364 |
| 59 | 19 | 3 | 22 | 13.6364 |
| 60 | 18 | 2 | 20 | 10.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:   0.900
LENGTH OF RUN:    2.00 HRS

| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 19 | 2 | 21 | 9.5238 |
| 62 | 21 | 1 | 22 | 4.5455 |
| 63 | 20 | 2 | 22 | 9.0909 |
| 64 | 15 | 3 | 18 | 16.6667 |
| 65 | 18 | 1 | 19 | 5.2632 |
| 66 | 19 | 2 | 21 | 9.5238 |
| 67 | 18 | 2 | 20 | 10.0000 |
| 68 | 19 | 1 | 20 | 5.0000 |
| 69 | 20 | 2 | 22 | 9.0909 |
| 70 | 19 | 1 | 20 | 5.0000 |
| 71 | 21 | 1 | 22 | 4.5455 |
| 72 | 22 | 0 | 22 | 0.0000 |
| 73 | 20 | 1 | 21 | 4.7619 |
| 74 | 18 | 4 | 22 | 18.1818 |
| 75 | 16 | 3 | 19 | 15.7895 |
| 76 | 19 | 3 | 22 | 13.6364 |
| 77 | 18 | 2 | 20 | 10.0000 |
| 78 | 19 | 2 | 21 | 9.5238 |
| 79 | 19 | 3 | 22 | 13.6364 |
| 80 | 20 | 2 | 22 | 9.0909 |
| 81 | 19 | 2 | 21 | 9.5238 |
| 82 | 16 | 3 | 19 | 15.7895 |
| 83 | 17 | 3 | 20 | 15.0000 |
| 84 | 17 | 2 | 19 | 10.5263 |
| 85 | 16 | 4 | 20 | 20.0000 |
| 86 | 17 | 1 | 18 | 5.5556 |
| 87 | 17 | 2 | 19 | 10.5263 |
| 88 | 20 | 3 | 23 | 13.0435 |
| 89 | 17 | 3 | 20 | 15.0000 |
| 90 | 19 | 3 | 22 | 13.6364 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91 | 16 | 2 | 18 | 11.1111 |
| 92 | 16 | 3 | 19 | 15.7895 |
| 93 | 17 | 3 | 20 | 15.0000 |
| 94 | 18 | 3 | 21 | 14.2857 |
| 95 | 18 | 2 | 20 | 10.0000 |
| 96 | 17 | 3 | 20 | 15.0000 |
| 97 | 17 | 3 | 20 | 15.0000 |
| 98 | 17 | 2 | 19 | 10.5263 |
| 99 | 17 | 2 | 19 | 10.5263 |
| 100 | 17 | 3 | 20 | 15.0000 |
| 101 | 19 | 3 | 22 | 13.6364 |
| 102 | 16 | 3 | 19 | 15.7895 |
| 103 | 16 | 3 | 19 | 15.7895 |
| 104 | 17 | 4 | 21 | 19.0476 |
| 105 | 20 | 2 | 22 | 9.0909 |
| 106 | 19 | 3 | 22 | 13.6364 |
| 107 | 19 | 3 | 22 | 13.6364 |
| 108 | 20 | 3 | 23 | 13.0435 |
| 109 | 20 | 3 | 23 | 13.0435 |
| 110 | 16 | 4 | 20 | 20.0000 |
| 111 | 18 | 3 | 21 | 14.2857 |
| 112 | 17 | 2 | 19 | 10.5263 |
| 113 | 15 | 4 | 19 | 21.0526 |
| 114 | 18 | 3 | 21 | 14.2857 |
| 115 | 18 | 2 | 20 | 10.0000 |
| 116 | 17 | 4 | 21 | 19.0476 |
| 117 | 19 | 4 | 23 | 17.3913 |
| 118 | 18 | 3 | 21 | 14.2857 |
| 119 | 16 | 3 | 19 | 15.7895 |
| 120 | 16 | 3 | 19 | 15.7895 |
| TOTAL | 2182 | 275 | 2457 | 11.1925 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 18 | 2 | 20 | 10.0000 |
| 2 | 21 | 1 | 22 | 4.5455 |
| 3 | 21 | 1 | 22 | 4.5455 |
| 4 | 20 | 1 | 21 | 4.7619 |
| 5 | 20 | 2 | 22 | 9.0909 |
| 6 | 18 | 1 | 19 | 5.2632 |
| 7 | 18 | 2 | 20 | 10.0000 |
| 8 | 19 | 3 | 22 | 13.6364 |
| 9 | 21 | 2 | 23 | 8.6957 |
| 10 | 18 | 2 | 20 | 10.0000 |
| 11 | 18 | 2 | 20 | 10.0000 |
| 12 | 19 | 2 | 21 | 9.5238 |
| 13 | 17 | 4 | 21 | 19.0476 |
| 14 | 19 | 2 | 21 | 9.5238 |
| 15 | 20 | 1 | 21 | 4.7619 |
| 16 | 20 | 1 | 21 | 4.7619 |
| 17 | 17 | 3 | 20 | 15.0000 |
| 18 | 19 | 3 | 22 | 13.6364 |
| 19 | 16 | 2 | 18 | 11.1111 |
| 20 | 18 | 2 | 20 | 10.0000 |
| 21 | 17 | 2 | 19 | 10.5263 |
| 22 | 20 | 2 | 22 | 9.0909 |
| 23 | 19 | 3 | 22 | 13.6364 |
| 24 | 18 | 2 | 20 | 10.0000 |
| 25 | 19 | 3 | 22 | 13.6364 |
| 26 | 15 | 3 | 18 | 16.6667 |
| 27 | 19 | 2 | 21 | 9.5238 |
| 28 | 20 | 1 | 21 | 4.7619 |
| 29 | 16 | 2 | 18 | 11.1111 |
| 30 | 19 | 2 | 21 | 9.5238 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 18 | 2 | 20 | 10.0000 |
| 32 | 17 | 2 | 19 | 10.5263 |
| 33 | 17 | 2 | 19 | 10.5263 |
| 34 | 17 | 2 | 19 | 10.5263 |
| 35 | 18 | 2 | 20 | 10.0000 |
| 36 | 17 | 2 | 19 | 10.5263 |
| 37 | 21 | 2 | 23 | 8.6957 |
| 38 | 19 | 2 | 21 | 9.5238 |
| 39 | 18 | 2 | 20 | 10.0000 |
| 40 | 18 | 2 | 20 | 10.0000 |
| 41 | 18 | 2 | 20 | 10.0000 |
| 42 | 17 | 3 | 20 | 15.0000 |
| 43 | 20 | 2 | 22 | 9.0909 |
| 44 | 19 | 2 | 21 | 9.5238 |
| 45 | 17 | 3 | 20 | 15.0000 |
| 46 | 17 | 3 | 20 | 15.0000 |
| 47 | 19 | 4 | 23 | 17.3913 |
| 48 | 20 | 1 | 21 | 4.7619 |
| 49 | 17 | 5 | 22 | 22.7273 |
| 50 | 18 | 2 | 20 | 10.0000 |
| 51 | 19 | 2 | 21 | 9.5238 |
| 52 | 20 | 2 | 22 | 9.0909 |
| 53 | 19 | 2 | 21 | 9.5238 |
| 54 | 20 | 1 | 21 | 4.7619 |
| 55 | 19 | 2 | 21 | 9.5238 |
| 56 | 18 | 2 | 20 | 10.0000 |
| 57 | 19 | 1 | 20 | 5.0000 |
| 58 | 17 | 2 | 19 | 10.5263 |
| 59 | 18 | 1 | 19 | 5.2632 |
| 60 | 19 | 2 | 21 | 9.5238 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION


RUN DATA:

NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:     240
PROB. OF TGT.:   0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 21 | 1 | 22 | 4.5455 |
| 62 | 20 | 1 | 21 | 4.7619 |
| 63 | 20 | 1 | 21 | 4.7619 |
| 64 | 20 | 1 | 21 | 4.7619 |
| 65 | 22 | 1 | 23 | 4.3478 |
| 66 | 19 | 1 | 20 | 5.0000 |
| 67 | 20 | 3 | 23 | 13.0435 |
| 68 | 20 | 1 | 21 | 4.7619 |
| 69 | 19 | 2 | 21 | 9.5238 |
| 70 | 18 | 3 | 21 | 14.2857 |
| 71 | 20 | 2 | 22 | 9.0909 |
| 72 | 20 | 1 | 21 | 4.7619 |
| 73 | 18 | 2 | 20 | 10.0000 |
| 74 | 20 | 2 | 22 | 9.0909 |
| 75 | 20 | 1 | 21 | 4.7619 |
| 76 | 20 | 2 | 22 | 9.0909 |
| 77 | 20 | 2 | 22 | 9.0909 |
| 78 | 21 | 2 | 23 | 8.6957 |
| 79 | 17 | 2 | 19 | 10.5263 |
| 80 | 19 | 2 | 21 | 9.5238 |
| 81 | 17 | 3 | 20 | 15.0000 |
| 82 | 19 | 2 | 21 | 9.5238 |
| 83 | 17 | 3 | 20 | 15.0000 |
| 84 | 19 | 2 | 21 | 9.5238 |
| 85 | 19 | 2 | 21 | 9.5238 |
| 86 | 20 | 3 | 23 | 13.0435 |
| 87 | 18 | 2 | 20 | 10.0000 |
| 88 | 21 | 2 | 23 | 8.6957 |
| 89 | 19 | 2 | 21 | 9.5238 |
| 90 | 14 | 6 | 20 | 30.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:    0.900
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91  | 17 | 3 | 20 | 15.0000 |
| 92  | 15 | 4 | 19 | 21.0526 |
| 93  | 17 | 2 | 19 | 10.5263 |
| 94  | 18 | 2 | 20 | 10.0000 |
| 95  | 16 | 3 | 19 | 15.7895 |
| 96  | 17 | 2 | 19 | 10.5263 |
| 97  | 19 | 1 | 20 | 5.0000  |
| 98  | 20 | 2 | 22 | 9.0909  |
| 99  | 15 | 3 | 18 | 16.6667 |
| 100 | 18 | 2 | 20 | 10.0000 |
| 101 | 18 | 1 | 19 | 5.2632  |
| 102 | 17 | 3 | 20 | 15.0000 |
| 103 | 17 | 3 | 20 | 15.0000 |
| 104 | 20 | 2 | 22 | 9.0909  |
| 105 | 18 | 2 | 20 | 10.0000 |
| 106 | 18 | 4 | 22 | 18.1818 |
| 107 | 19 | 3 | 22 | 13.6364 |
| 108 | 17 | 3 | 20 | 15.0000 |
| 109 | 19 | 2 | 21 | 9.5238  |
| 110 | 18 | 3 | 21 | 14.2857 |
| 111 | 20 | 2 | 22 | 9.0909  |
| 112 | 16 | 1 | 17 | 5.8824  |
| 113 | 17 | 3 | 20 | 15.0000 |
| 114 | 17 | 2 | 19 | 10.5263 |
| 115 | 18 | 2 | 20 | 10.0000 |
| 116 | 16 | 2 | 18 | 11.1111 |
| 117 | 17 | 2 | 19 | 10.5263 |
| 118 | 21 | 1 | 22 | 4.5455  |
| 119 | 18 | 2 | 20 | 10.0000 |
| 120 | 17 | 1 | 18 | 5.5556  |
| TOTAL | 2216 | 253 | 2469 | 10.2471 |

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INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 0 | 212 | 212 | 100.0000 |
| 2 | 0 | 207 | 207 | 100.0000 |
| 3 | 0 | 213 | 213 | 100.0000 |
| 4 | 0 | 213 | 213 | 100.0000 |
| 5 | 0 | 207 | 207 | 100.0000 |
| TOTAL | 0 | 1052 | 1052 | 100.0000 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:       5
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 206 | 7 | 213 | 3.2864 |
| 2 | 207 | 7 | 214 | 3.2710 |
| 3 | 212 | 6 | 218 | 2.7523 |
| 4 | 206 | 3 | 209 | 1.4354 |
| 5 | 213 | 6 | 219 | 2.7397 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 1044 | 29 | 1073 | 2.7027 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.900
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 135 | 73 | 208 | 35.0962 |
| 2  | 125 | 76 | 201 | 37.8109 |
| 3  | 120 | 76 | 196 | 38.7755 |
| 4  | 132 | 73 | 205 | 35.6098 |
| 5  | 141 | 71 | 212 | 33.4906 |
| 6  | 117 | 84 | 201 | 41.7910 |
| 7  | 134 | 63 | 197 | 31.9797 |
| 8  | 122 | 78 | 200 | 39.0000 |
| 9  | 127 | 75 | 202 | 37.1287 |
| 10 | 122 | 76 | 198 | 38.3838 |
| TOTAL | 1275 | 745 | 2020 | 36.8812 |

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INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD;    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE;  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.; 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 130 | 84 | 214 | 39.2523 |
| 2  | 113 | 87 | 200 | 43.5000 |
| 3  | 128 | 90 | 218 | 41.2844 |
| 4  | 117 | 90 | 207 | 43.4783 |
| 5  | 123 | 92 | 215 | 42.7907 |
| 6  | 122 | 90 | 212 | 42.4528 |
| 7  | 122 | 90 | 212 | 42.4528 |
| 8  | 123 | 86 | 209 | 41.1483 |
| 9  | 115 | 85 | 200 | 42.5000 |
| 10 | 117 | 86 | 203 | 42.3645 |
| TOTAL | 1210 | 880 | 2090 | 42.1053 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1 | 214 | 3 | 217 | 1.3825 |
| 2 | 215 | 3 | 218 | 1.3761 |
| 3 | 207 | 4 | 211 | 1.8957 |
| 4 | 217 | 4 | 221 | 1.8100 |
| 5 | 216 | 3 | 219 | 1.3699 |
| 6 | 219 | 1 | 220 | 0.4545 |
| 7 | 210 | 3 | 213 | 1.4085 |
| 8 | 205 | 3 | 208 | 1.4423 |
| 9 | 208 | 4 | 212 | 1.8868 |
| 10 | 210 | 4 | 214 | 1.8692 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 2121 | 32 | 2153 | 1.4863 |

INT. SENSORS,LINEAR POLLING,EVEN INTERVAL TURNON,RANDOM DETECTION


RUN DATA:
NO OF SENSORS:     20
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 1  | 127 | 83  | 210 | 39.5238 |
| 2  | 107 | 86  | 193 | 44.5596 |
| 3  | 125 | 79  | 204 | 38.7255 |
| 4  | 126 | 82  | 208 | 39.4231 |
| 5  | 118 | 93  | 211 | 44.0758 |
| 6  | 122 | 77  | 199 | 38.6935 |
| 7  | 122 | 82  | 204 | 40.1961 |
| 8  | 122 | 83  | 205 | 40.4878 |
| 9  | 123 | 82  | 205 | 40.0000 |
| 10 | 119 | 85  | 204 | 41.6667 |
| 11 | 135 | 66  | 201 | 32.8358 |
| 12 | 113 | 100 | 213 | 46.9484 |
| 13 | 122 | 83  | 205 | 40.4878 |
| 14 | 132 | 74  | 206 | 35.9223 |
| 15 | 116 | 100 | 216 | 46.2963 |
| 16 | 116 | 91  | 207 | 43.9614 |
| 17 | 132 | 81  | 213 | 38.0282 |
| 18 | 115 | 92  | 207 | 44.4444 |
| 19 | 127 | 80  | 207 | 38.6473 |
| 20 | 121 | 86  | 207 | 41.5459 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 2440 | 1685 | 4125 | 40.8485 |

INT. SENSØRS,LINEAR PØLLING,EVEN INTERVAL TURNØN,RANDØM DETECTIØN

RUN DATA:
NØ ØF SENSØRS: 20
SENSØR PERIØD: 30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE: 4800 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN: 2.00 HRS

| SENSØR NUMBER | ----MESSAGES---- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 125 | 81 | 206 | 39.3204 |
| 2 | 128 | 77 | 205 | 37.5610 |
| 3 | 118 | 82 | 200 | 41.0000 |
| 4 | 123 | 80 | 203 | 39.4089 |
| 5 | 125 | 84 | 209 | 40.1914 |
| 6 | 124 | 85 | 209 | 40.6699 |
| 7 | 128 | 74 | 202 | 36.6337 |
| 8 | 122 | 87 | 209 | 41.6268 |
| 9 | 118 | 86 | 204 | 42.1569 |
| 10 | 120 | 92 | 212 | 43.3962 |
| 11 | 125 | 79 | 204 | 38.7255 |
| 12 | 123 | 78 | 201 | 38.8060 |
| 13 | 120 | 84 | 204 | 41.1765 |
| 14 | 140 | 71 | 211 | 33.6493 |
| 15 | 111 | 93 | 204 | 45.5882 |
| 16 | 117 | 90 | 207 | 43.4783 |
| 17 | 130 | 85 | 215 | 39.5349 |
| 18 | 113 | 89 | 202 | 44.0594 |
| 19 | 128 | 74 | 202 | 36.6337 |
| 20 | 133 | 85 | 218 | 38.9908 |
| TØTAL | 2471 | 1656 | 4127 | 40.1260 |

RUN DATA:
NO OF SENSORS:       5
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 7 | 0 | 7 | 0.0000 |
| 2 | 7 | 1 | 8 | 12.5000 |
| 3 | 10 | 0 | 10 | 0.0000 |
| 4 | 6 | 1 | 7 | 14.2857 |
| 5 | 3 | 1 | 4 | 25.0000 |
| TOTAL | 33 | 3 | 36 | 8.3333 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 10 | 1 | 11 | 9.0909 |
| 2 | 10 | 0 | 10 | 0.0000 |
| 3 | 12 | 2 | 14 | 14.2857 |
| 4 | 10 | 0 | 10 | 0.0000 |
| 5 | 9 | 3 | 12 | 25.0000 |
| 6 | 10 | 1 | 11 | 9.0909 |
| 7 | 6 | 1 | 7 | 14.2857 |
| 8 | 9 | 1 | 10 | 10.0000 |
| 9 | 9 | 1 | 10 | 10.0000 |
| 10 | 8 | 0 | 8 | 0.0000 |
| TOTAL | 93 | 10 | 103 | 9.7087 |

A-191

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:     300 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 10 | 1 | 11 | 9.0909 |
| 2  | 8  | 1 | 9  | 11.1111 |
| 3  | 9  | 0 | 9  | 0.0000 |
| 4  | 10 | 1 | 11 | 9.0909 |
| 5  | 6  | 0 | 6  | 0.0000 |
| 6  | 9  | 1 | 10 | 10.0000 |
| 7  | 6  | 1 | 7  | 14.2857 |
| 8  | 9  | 0 | 9  | 0.0000 |
| 9  | 9  | 1 | 10 | 10.0000 |
| 10 | 10 | 0 | 10 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 86 | 6 | 92 | 6.5217 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS   TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:     30
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 11 | 1 | 12 | 8.3333  |
| 2  | 18 | 0 | 18 | 0.0000  |
| 3  | 12 | 0 | 12 | 0.0000  |
| 4  | 10 | 0 | 10 | 0.0000  |
| 5  | 15 | 1 | 16 | 6.2500  |
| 6  | 10 | 0 | 10 | 0.0000  |
| 7  | 11 | 0 | 11 | 0.0000  |
| 8  | 6  | 1 | 7  | 14.2857 |
| 9  | 11 | 1 | 12 | 8.3333  |
| 10 | 12 | 0 | 12 | 0.0000  |
| 11 | 10 | 1 | 11 | 9.0909  |
| 12 | 9  | 1 | 10 | 10.0000 |
| 13 | 15 | 1 | 16 | 6.2500  |
| 14 | 12 | 0 | 12 | 0.0000  |
| 15 | 7  | 0 | 7  | 0.0000  |
| 16 | 14 | 0 | 14 | 0.0000  |
| 17 | 11 | 0 | 11 | 0.0000  |
| 18 | 9  | 0 | 9  | 0.0000  |
| 19 | 12 | 0 | 12 | 0.0000  |
| 20 | 12 | 1 | 13 | 7.6923  |
| 21 | 10 | 1 | 11 | 9.0909  |
| 22 | 12 | 1 | 13 | 7.6923  |
| 23 | 8  | 1 | 9  | 11.1111 |
| 24 | 12 | 0 | 12 | 0.0000  |
| 25 | 12 | 1 | 13 | 7.6923  |
| 26 | 10 | 1 | 11 | 9.0909  |
| 27 | 7  | 0 | 7  | 0.0000  |
| 28 | 9  | 1 | 10 | 10.0000 |
| 29 | 11 | 0 | 11 | 0.0000  |
| 30 | 12 | 0 | 12 | 0.0000  |
|    | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\-\-\- |
| TOTAL | 330 | 14 | 344 | 4.0698 |

A-193

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:   120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:   240
PROB. OF TGT.:  0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 9  | 1 | 10 | 10.0000 |
| 2  | 13 | 1 | 14 | 7.1429 |
| 3  | 10 | 2 | 12 | 16.6667 |
| 4  | 8  | 2 | 10 | 20.0000 |
| 5  | 9  | 0 | 9  | 0.0000 |
| 6  | 7  | 3 | 10 | 30.0000 |
| 7  | 11 | 2 | 13 | 15.3846 |
| 8  | 13 | 2 | 15 | 13.3333 |
| 9  | 11 | 2 | 13 | 15.3846 |
| 10 | 10 | 2 | 12 | 16.6667 |
| 11 | 7  | 0 | 7  | 0.0000 |
| 12 | 7  | 1 | 8  | 12.5000 |
| 13 | 8  | 2 | 10 | 20.0000 |
| 14 | 7  | 1 | 8  | 12.5000 |
| 15 | 7  | 1 | 8  | 12.5000 |
| 16 | 11 | 1 | 12 | 8.3333 |
| 17 | 8  | 1 | 9  | 11.1111 |
| 18 | 6  | 1 | 7  | 14.2857 |
| 19 | 8  | 0 | 8  | 0.0000 |
| 20 | 12 | 1 | 13 | 7.6923 |
| 21 | 6  | 3 | 9  | 33.3333 |
| 22 | 12 | 1 | 13 | 7.6923 |
| 23 | 6  | 1 | 7  | 14.2857 |
| 24 | 11 | 1 | 12 | 8.3333 |
| 25 | 7  | 0 | 7  | 0.0000 |
| 26 | 10 | 1 | 11 | 9.0909 |
| 27 | 11 | 1 | 12 | 8.3333 |
| 28 | 13 | 1 | 14 | 7.1429 |
| 29 | 11 | 1 | 12 | 8.3333 |
| 30 | 13 | 1 | 14 | 7.1429 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:   0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 9 | 3 | 12 | 25.0000 |
| 32 | 9 | 1 | 10 | 10.0000 |
| 33 | 10 | 1 | 11 | 9.0909 |
| 34 | 9 | 2 | 11 | 18.1818 |
| 35 | 9 | 2 | 11 | 18.1818 |
| 36 | 12 | 1 | 13 | 7.6923 |
| 37 | 9 | 4 | 13 | 30.7692 |
| 38 | 10 | 0 | 10 | 0.0000 |
| 39 | 10 | 3 | 13 | 23.0769 |
| 40 | 11 | 0 | 11 | 0.0000 |
| 41 | 10 | 1 | 11 | 9.0909 |
| 42 | 10 | 1 | 11 | 9.0909 |
| 43 | 11 | 1 | 12 | 8.3333 |
| 44 | 6 | 1 | 7 | 14.2857 |
| 45 | 6 | 2 | 8 | 25.0000 |
| 46 | 5 | 3 | 8 | 37.5000 |
| 47 | 9 | 2 | 11 | 18.1818 |
| 48 | 9 | 1 | 10 | 10.0000 |
| 49 | 10 | 2 | 12 | 16.6667 |
| 50 | 11 | 1 | 12 | 8.3333 |
| 51 | 5 | 0 | 5 | 0.0000 |
| 52 | 7 | 0 | 7 | 0.0000 |
| 53 | 6 | 0 | 6 | 0.0000 |
| 54 | 11 | 1 | 12 | 8.3333 |
| 55 | 8 | 0 | 8 | 0.0000 |
| 56 | 10 | 0 | 10 | 0.0000 |
| 57 | 11 | 1 | 12 | 8.3333 |
| 58 | 9 | 2 | 11 | 18.1818 |
| 59 | 11 | 1 | 12 | 8.3333 |
| 60 | 14 | 2 | 16 | 12.5000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:    2.00 HRS

| SENSOR NUMBER | MESSAGES SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 61 | 8 | 3 | 11 | 27.2727 |
| 62 | 5 | 1 | 6 | 16.6667 |
| 63 | 11 | 1 | 12 | 8.3333 |
| 64 | 8 | 0 | 8 | 0.0000 |
| 65 | 12 | 0 | 12 | 0.0000 |
| 66 | 14 | 0 | 14 | 0.0000 |
| 67 | 9 | 3 | 12 | 25.0000 |
| 68 | 6 | 1 | 7 | 14.2857 |
| 69 | 10 | 1 | 11 | 9.0909 |
| 70 | 11 | 1 | 12 | 8.3333 |
| 71 | 8 | 1 | 9 | 11.1111 |
| 72 | 8 | 1 | 9 | 11.1111 |
| 73 | 6 | 1 | 7 | 14.2857 |
| 74 | 6 | 2 | 8 | 25.0000 |
| 75 | 13 | 1 | 14 | 7.1429 |
| 76 | 10 | 0 | 10 | 0.0000 |
| 77 | 10 | 1 | 11 | 9.0909 |
| 78 | 13 | 0 | 13 | 0.0000 |
| 79 | 6 | 2 | 8 | 25.0000 |
| 80 | 8 | 0 | 8 | 0.0000 |
| 81 | 10 | 2 | 12 | 16.6667 |
| 82 | 9 | 2 | 11 | 18.1818 |
| 83 | 8 | 1 | 9 | 11.1111 |
| 84 | 10 | 1 | 11 | 9.0909 |
| 85 | 9 | 2 | 11 | 18.1818 |
| 86 | 8 | 1 | 9 | 11.1111 |
| 87 | 10 | 2 | 12 | 16.6667 |
| 88 | 13 | 2 | 15 | 13.3333 |
| 89 | 8 | 0 | 8 | 0.0000 |
| 90 | 6 | 2 | 8 | 25.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:      120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91  | 10 | 0 | 10 | 0.0000  |
| 92  | 10 | 2 | 12 | 16.6667 |
| 93  | 10 | 0 | 10 | 0.0000  |
| 94  | 9  | 2 | 11 | 18.1818 |
| 95  | 10 | 1 | 11 | 9.0909  |
| 96  | 8  | 2 | 10 | 20.0000 |
| 97  | 6  | 3 | 9  | 33.3333 |
| 98  | 13 | 2 | 15 | 13.3333 |
| 99  | 7  | 1 | 8  | 12.5000 |
| 100 | 9  | 1 | 10 | 10.0000 |
| 101 | 11 | 3 | 14 | 21.4286 |
| 102 | 13 | 2 | 15 | 13.3333 |
| 103 | 9  | 0 | 9  | 0.0000  |
| 104 | 10 | 2 | 12 | 16.6667 |
| 105 | 10 | 1 | 11 | 9.0909  |
| 106 | 9  | 2 | 11 | 18.1818 |
| 107 | 10 | 3 | 13 | 23.0769 |
| 108 | 7  | 2 | 9  | 22.2222 |
| 109 | 6  | 2 | 8  | 25.0000 |
| 110 | 14 | 0 | 14 | 0.0000  |
| 111 | 11 | 0 | 11 | 0.0000  |
| 112 | 11 | 1 | 12 | 8.3333  |
| 113 | 5  | 1 | 6  | 16.6667 |
| 114 | 9  | 1 | 10 | 10.0000 |
| 115 | 12 | 2 | 14 | 14.2857 |
| 116 | 10 | 2 | 12 | 16.6667 |
| 117 | 11 | 2 | 13 | 15.3846 |
| 118 | 9  | 0 | 9  | 0.0000  |
| 119 | 7  | 0 | 7  | 0.0000  |
| 120 | 11 | 0 | 11 | 0.0000  |
| TOTAL | 1119 | 151 | 1270 | 11.8898 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.500
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 9 | 3 | 12 | 25.0000 |
| 2 | 10 | 1 | 11 | 9.0909 |
| 3 | 11 | 1 | 12 | 8.3333 |
| 4 | 8 | 1 | 9 | 11.1111 |
| 5 | 8 | 0 | 8 | 0.0000 |
| 6 | 6 | 0 | 6 | 0.0000 |
| 7 | 10 | 1 | 11 | 9.0909 |
| 8 | 9 | 2 | 11 | 18.1818 |
| 9 | 11 | 1 | 12 | 8.3333 |
| 10 | 8 | 3 | 11 | 27.2727 |
| 11 | 15 | 2 | 17 | 11.7647 |
| 12 | 4 | 3 | 7 | 42.8571 |
| 13 | 8 | 3 | 11 | 27.2727 |
| 14 | 8 | 2 | 10 | 20.0000 |
| 15 | 7 | 4 | 11 | 36.3636 |
| 16 | 8 | 3 | 11 | 27.2727 |
| 17 | 9 | 1 | 10 | 10.0000 |
| 18 | 10 | 2 | 12 | 16.6667 |
| 19 | 9 | 2 | 11 | 18.1818 |
| 20 | 9 | 1 | 10 | 10.0000 |
| 21 | 12 | 2 | 14 | 14.2857 |
| 22 | 9 | 3 | 12 | 25.0000 |
| 23 | 5 | 3 | 8 | 37.5000 |
| 24 | 7 | 1 | 8 | 12.5000 |
| 25 | 9 | 2 | 11 | 18.1818 |
| 26 | 7 | 1 | 8 | 12.5000 |
| 27 | 8 | 1 | 9 | 11.1111 |
| 28 | 9 | 3 | 12 | 25.0000 |
| 29 | 12 | 1 | 13 | 7.6923 |
| 30 | 10 | 1 | 11 | 9.0909 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:     120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 10 | 2 | 12 | 16.6667 |
| 32 | 9 | 3 | 12 | 25.0000 |
| 33 | 12 | 2 | 14 | 14.2857 |
| 34 | 7 | 4 | 11 | 36.3636 |
| 35 | 7 | 2 | 9 | 22.2222 |
| 36 | 8 | 0 | 8 | 0.0000 |
| 37 | 9 | 2 | 11 | 18.1818 |
| 38 | 11 | 1 | 12 | 8.3333 |
| 39 | 6 | 5 | 11 | 45.4545 |
| 40 | 6 | 3 | 9 | 33.3333 |
| 41 | 13 | 2 | 15 | 13.3333 |
| 42 | 10 | 1 | 11 | 9.0909 |
| 43 | 7 | 2 | 9 | 22.2222 |
| 44 | 9 | 4 | 13 | 30.7692 |
| 45 | 6 | 3 | 9 | 33.3333 |
| 46 | 15 | 0 | 15 | 0.0000 |
| 47 | 9 | 3 | 12 | 25.0000 |
| 48 | 9 | 1 | 10 | 10.0000 |
| 49 | 12 | 0 | 12 | 0.0000 |
| 50 | 7 | 4 | 11 | 36.3636 |
| 51 | 9 | 3 | 12 | 25.0000 |
| 52 | 10 | 4 | 14 | 28.5714 |
| 53 | 7 | 0 | 7 | 0.0000 |
| 54 | 11 | 2 | 13 | 15.3846 |
| 55 | 8 | 1 | 9 | 11.1111 |
| 56 | 7 | 2 | 9 | 22.2222 |
| 57 | 6 | 3 | 9 | 33.3333 |
| 58 | 8 | 2 | 10 | 20.0000 |
| 59 | 6 | 2 | 8 | 25.0000 |
| 60 | 11 | 2 | 13 | 15.3846 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|--------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 10 | 1 | 11 | 9.0909 |
| 62 | 8 | 1 | 9 | 11.1111 |
| 63 | 7 | 3 | 10 | 30.0000 |
| 64 | 11 | 2 | 13 | 15.3846 |
| 65 | 10 | 3 | 13 | 23.0769 |
| 66 | 8 | 2 | 10 | 20.0000 |
| 67 | 10 | 1 | 11 | 9.0909 |
| 68 | 7 | 3 | 10 | 30.0000 |
| 69 | 6 | 2 | 8 | 25.0000 |
| 70 | 4 | 3 | 7 | 42.8571 |
| 71 | 7 | 2 | 9 | 22.2222 |
| 72 | 7 | 3 | 10 | 30.0000 |
| 73 | 8 | 4 | 12 | 33.3333 |
| 74 | 7 | 3 | 10 | 30.0000 |
| 75 | 5 | 4 | 9 | 44.4444 |
| 76 | 9 | 3 | 12 | 25.0000 |
| 77 | 5 | 1 | 6 | 16.6667 |
| 78 | 8 | 2 | 10 | 20.0000 |
| 79 | 12 | 4 | 16 | 25.0000 |
| 80 | 6 | 5 | 11 | 45.4545 |
| 81 | 8 | 2 | 10 | 20.0000 |
| 82 | 9 | 1 | 10 | 10.0000 |
| 83 | 9 | 0 | 9 | 0.0000 |
| 84 | 7 | 3 | 10 | 30.0000 |
| 85 | 9 | 1 | 10 | 10.0000 |
| 86 | 8 | 6 | 14 | 42.8571 |
| 87 | 8 | 4 | 12 | 33.3333 |
| 88 | 9 | 2 | 11 | 18.1818 |
| 89 | 7 | 4 | 11 | 36.3636 |
| 90 | 12 | 3 | 15 | 20.0000 |

A-200

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:.
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 91 | 8 | 4 | 12 | 33.3333 |
| 92 | 7 | 3 | 10 | 30.0000 |
| 93 | 6 | 3 | 9 | 33.3333 |
| 94 | 11 | 3 | 14 | 21.4286 |
| 95 | 5 | 3 | 8 | 37.5000 |
| 96 | 6 | 4 | 10 | 40.0000 |
| 97 | 10 | 3 | 13 | 23.0769 |
| 98 | 6 | 2 | 8 | 25.0000 |
| 99 | 8 | 2 | 10 | 20.0000 |
| 100 | 9 | 1 | 10 | 10.0000 |
| 101 | 11 | 1 | 12 | 8.3333 |
| 102 | 10 | 2 | 12 | 16.6667 |
| 103 | 6 | 2 | 8 | 25.0000 |
| 104 | 10 | 4 | 14 | 28.5714 |
| 105 | 8 | 5 | 13 | 38.4615 |
| 106 | 10 | 5 | 15 | 33.3333 |
| 107 | 9 | 3 | 12 | 25.0000 |
| 108 | 6 | 2 | 8 | 25.0000 |
| 109 | 7 | 1 | 8 | 12.5000 |
| 110 | 7 | 1 | 8 | 12.5000 |
| 111 | 7 | 1 | 8 | 12.5000 |
| 112 | 8 | 3 | 11 | 27.2727 |
| 113 | 9 | 2 | 11 | 18.1818 |
| 114 | 11 | 3 | 14 | 21.4286 |
| 115 | 12 | 3 | 15 | 20.0000 |
| 116 | 10 | 3 | 13 | 23.0769 |
| 117 | 9 | 0 | 9 | 0.0000 |
| 118 | 11 | 2 | 13 | 15.3846 |
| 119 | 9 | 2 | 11 | 18.1818 |
| 120 | 8 | 3 | 11 | 27.2727 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 1025 | 273 | 1298 | 21.0324 |

A-201

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS   TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 0 | 106 | 106 | 100.0000 |
| 2 | 0 | 105 | 105 | 100.0000 |
| 3 | 0 | 106 | 106 | 100.0000 |
| 4 | 0 | 96 | 96 | 100.0000 |
| 5 | 0 | 103 | 103 | 100.0000 |
| TOTAL | 0 | 516 | 516 | 100.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|---|---|---|---|---|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 85 | 28 | 113 | 24.7788 |
| 2 | 88 | 26 | 114 | 22.8070 |
| 3 | 83 | 26 | 109 | 23.8532 |
| 4 | 93 | 22 | 115 | 19.1304 |
| 5 | 88 | 26 | 114 | 22.8070 |
| | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\-\-\- |
| TOTAL | 437 | 128 | 565 | 22.6549 |

A-203

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 67 | 20 | 87 | 22.9885 |
| 2  | 73 | 23 | 96 | 23.9583 |
| 3  | 61 | 26 | 87 | 29.8851 |
| 4  | 78 | 19 | 97 | 19.5876 |
| 5  | 76 | 22 | 98 | 22.4490 |
| 6  | 76 | 23 | 99 | 23.2323 |
| 7  | 80 | 15 | 95 | 15.7895 |
| 8  | 74 | 23 | 97 | 23.7113 |
| 9  | 73 | 19 | 92 | 20.6522 |
| 10 | 80 | 18 | 98 | 18.3673 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 738 | 208 | 946 | 21.9873 |

MUX LINK SIMULATOR RUN  1772    PAGE 1 OF 1.     19:30   5-SEP-78
INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    10
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 77 | 27 | 104 | 25.9615 |
| 2 | 82 | 28 | 110 | 25.4545 |
| 3 | 69 | 31 | 100 | 31.0000 |
| 4 | 63 | 36 | 99 | 36.3636 |
| 5 | 76 | 28 | 104 | 26.9231 |
| 6 | 67 | 29 | 96 | 30.2083 |
| 7 | 75 | 38 | 113 | 33.6283 |
| 8 | 59 | 26 | 85 | 30.5882 |
| 9 | 80 | 26 | 106 | 24.5283 |
| 10 | 67 | 33 | 100 | 33.0000 |
| TOTAL | 715 | 302 | 1017 | 29.6952 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS   TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 100 | 6 | 106 | 5.6604 |
| 2 | 98 | 5 | 103 | 4.8544 |
| 3 | 111 | 6 | 117 | 5.1282 |
| 4 | 119 | 6 | 125 | 4.8000 |
| 5 | 92 | 6 | 98 | 6.1224 |
| 6 | 100 | 5 | 105 | 4.7619 |
| 7 | 100 | 8 | 108 | 7.4074 |
| 8 | 110 | 6 | 116 | 5.1724 |
| 9 | 112 | 7 | 119 | 5.8824 |
| 10 | 108 | 3 | 111 | 2.7027 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 1050 | 58 | 1108 | 5.2347 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    20
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.500
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 47 | 47 | 94  | 50.0000 |
| 2  | 37 | 50 | 87  | 57.4713 |
| 3  | 44 | 64 | 108 | 59.2593 |
| 4  | 51 | 44 | 95  | 46.3158 |
| 5  | 26 | 58 | 84  | 69.0476 |
| 6  | 42 | 54 | 96  | 56.2500 |
| 7  | 53 | 43 | 96  | 44.7917 |
| 8  | 48 | 59 | 107 | 55.1402 |
| 9  | 42 | 45 | 87  | 51.7241 |
| 10 | 43 | 52 | 95  | 54.7368 |
| 11 | 43 | 55 | 98  | 56.1224 |
| 12 | 47 | 45 | 92  | 48.9130 |
| 13 | 48 | 55 | 103 | 53.3981 |
| 14 | 50 | 55 | 105 | 52.3810 |
| 15 | 38 | 63 | 101 | 62.3762 |
| 16 | 46 | 48 | 94  | 51.0638 |
| 17 | 44 | 56 | 100 | 56.0000 |
| 18 | 39 | 52 | 91  | 57.1429 |
| 19 | 46 | 51 | 97  | 52.5773 |
| 20 | 38 | 53 | 91  | 58.2418 |
| TOTAL | 872 | 1049 | 1921 | 54.6070 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 20
SENSOR PERIOD: 30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE: 4800 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.500
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 50 | 51 | 101 | 50.4950 |
| 2 | 40 | 40 | 80 | 50.0000 |
| 3 | 41 | 54 | 95 | 56.8421 |
| 4 | 40 | 51 | 91 | 56.0440 |
| 5 | 34 | 53 | 87 | 60.9195 |
| 6 | 49 | 50 | 99 | 50.5051 |
| 7 | 38 | 49 | 87 | 56.3218 |
| 8 | 47 | 49 | 96 | 51.0417 |
| 9 | 49 | 51 | 100 | 51.0000 |
| 10 | 36 | 51 | 87 | 58.6207 |
| 11 | 33 | 57 | 90 | 63.3333 |
| 12 | 45 | 41 | 86 | 47.6744 |
| 13 | 34 | 57 | 91 | 62.6374 |
| 14 | 42 | 48 | 90 | 53.3333 |
| 15 | 49 | 59 | 108 | 54.6296 |
| 16 | 44 | 52 | 96 | 54.1667 |
| 17 | 37 | 61 | 98 | 62.2449 |
| 18 | 53 | 48 | 101 | 47.5248 |
| 19 | 38 | 55 | 93 | 59.1398 |
| 20 | 33 | 63 | 96 | 65.6250 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 832 | 1040 | 1872 | 55.5556 |

A-208

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.900
LENGTH OF RUN:   2.00 HRS

| SENSOR NUMBER | -----MESSAGES----- | | | PERCENT DROPPED |
|---|---|---|---|---|
| | SENT | DROPPED | TOTAL | |
| 1 | 19 | 1 | 20 | 5.0000 |
| 2 | 19 | 1 | 20 | 5.0000 |
| 3 | 21 | 2 | 23 | 8.6957 |
| 4 | 18 | 2 | 20 | 10.0000 |
| 5 | 20 | 2 | 22 | 9.0909 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 97 | 8 | 105 | 7.6190 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.900
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 21 | 1 | 22 | 4.5455 |
| 2 | 18 | 1 | 19 | 5.2632 |
| 3 | 20 | 1 | 21 | 4.7619 |
| 4 | 19 | 2 | 21 | 9.5238 |
| 5 | 22 | 2 | 24 | 8.3333 |
| 6 | 22 | 2 | 24 | 8.3333 |
| 7 | 18 | 2 | 20 | 10.0000 |
| 8 | 20 | 1 | 21 | 4.7619 |
| 9 | 19 | 2 | 21 | 9.5238 |
| 10 | 16 | 2 | 18 | 11.1111 |
| TOTAL | 195 | 16 | 211 | 7.5829 |

A-210

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 3000 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 19 | 1 | 20 | 5.0000 |
| 2 | 19 | 1 | 20 | 5.0000 |
| 3 | 22 | 1 | 23 | 4.3478 |
| 4 | 21 | 1 | 22 | 4.5455 |
| 5 | 18 | 1 | 19 | 5.2632 |
| 6 | 22 | 0 | 22 | 0.0000 |
| 7 | 19 | 1 | 20 | 5.0000 |
| 8 | 21 | 1 | 22 | 4.5455 |
| 9 | 21 | 1 | 22 | 4.5455 |
| 10 | 22 | 1 | 23 | 4.3478 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 204 | 9 | 213 | 4.2254 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    30
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 17 | 2 | 19 | 10.5263 |
| 2 | 17 | 1 | 18 | 5.5556 |
| 3 | 20 | 2 | 22 | 9.0909 |
| 4 | 20 | 1 | 21 | 4.7619 |
| 5 | 20 | 1 | 21 | 4.7619 |
| 6 | 19 | 0 | 19 | 0.0000 |
| 7 | 21 | 1 | 22 | 4.5455 |
| 8 | 22 | 1 | 23 | 4.3478 |
| 9 | 21 | 1 | 22 | 4.5455 |
| 10 | 18 | 1 | 19 | 5.2632 |
| 11 | 23 | 0 | 23 | 0.0000 |
| 12 | 22 | 1 | 23 | 4.3478 |
| 13 | 23 | 1 | 24 | 4.1667 |
| 14 | 18 | 1 | 19 | 5.2632 |
| 15 | 18 | 0 | 18 | 0.0000 |
| 16 | 22 | 1 | 23 | 4.3478 |
| 17 | 21 | 1 | 22 | 4.5455 |
| 18 | 22 | 1 | 23 | 4.3478 |
| 19 | 20 | 1 | 21 | 4.7619 |
| 20 | 20 | 0 | 20 | 0.0000 |
| 21 | 20 | 1 | 21 | 4.7619 |
| 22 | 20 | 1 | 21 | 4.7619 |
| 23 | 17 | 2 | 19 | 10.5263 |
| 24 | 20 | 2 | 22 | 9.0909 |
| 25 | 19 | 2 | 21 | 9.5238 |
| 26 | 21 | 2 | 23 | 8.6957 |
| 27 | 20 | 2 | 22 | 9.0909 |
| 28 | 20 | 2 | 22 | 9.0909 |
| 29 | 21 | 1 | 22 | 4.5455 |
| 30 | 21 | 2 | 23 | 8.6957 |
| TØTAL | 603 | 35 | 638 | 5.4859 |

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 14 | 7 | 21 | 33.3333 |
| 2 | 11 | 6 | 17 | 35.2941 |
| 3 | 14 | 5 | 19 | 26.3158 |
| 4 | 12 | 6 | 18 | 33.3333 |
| 5 | 17 | 4 | 21 | 19.0476 |
| 6 | 12 | 10 | 22 | 45.4545 |
| 7 | 14 | 5 | 19 | 26.3158 |
| 8 | 11 | 9 | 20 | 45.0000 |
| 9 | 10 | 9 | 19 | 47.3684 |
| 10 | 14 | 7 | 21 | 33.3333 |
| 11 | 12 | 6 | 18 | 33.3333 |
| 12 | 13 | 7 | 20 | 35.0000 |
| 13 | 14 | 5 | 19 | 26.3158 |
| 14 | 18 | 3 | 21 | 14.2857 |
| 15 | 13 | 7 | 20 | 35.0000 |
| 16 | 11 | 8 | 19 | 42.1053 |
| 17 | 15 | 7 | 22 | 31.8182 |
| 18 | 15 | 4 | 19 | 21.0526 |
| 19 | 12 | 8 | 20 | 40.0000 |
| 20 | 12 | 8 | 20 | 40.0000 |
| 21 | 15 | 8 | 23 | 34.7826 |
| 22 | 13 | 10 | 23 | 43.4783 |
| 23 | 15 | 5 | 20 | 25.0000 |
| 24 | 14 | 5 | 19 | 26.3158 |
| 25 | 13 | 9 | 22 | 40.9091 |
| 26 | 13 | 9 | 22 | 40.9091 |
| 27 | 13 | 9 | 22 | 40.9091 |
| 28 | 14 | 7 | 21 | 33.3333 |
| 29 | 13 | 6 | 19 | 31.5789 |
| 30 | 16 | 5 | 21 | 23.8095 |

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|---|---|---|---|---|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 13 | 6 | 19 | 31.5789 |
| 32 | 14 | 5 | 19 | 26.3158 |
| 33 | 10 | 8 | 18 | 44.4444 |
| 34 | 11 | 10 | 21 | 47.6190 |
| 35 | 15 | 6 | 21 | 28.5714 |
| 36 | 16 | 5 | 21 | 23.8095 |
| 37 | 12 | 7 | 19 | 36.8421 |
| 38 | 12 | 8 | 20 | 40.0000 |
| 39 | 12 | 6 | 18 | 33.3333 |
| 40 | 13 | 7 | 20 | 35.0000 |
| 41 | 16 | 6 | 22 | 27.2727 |
| 42 | 13 | 10 | 23 | 43.4783 |
| 43 | 13 | 5 | 18 | 27.7778 |
| 44 | 13 | 8 | 21 | 38.0952 |
| 45 | 14 | 5 | 19 | 26.3158 |
| 46 | 13 | 5 | 18 | 27.7778 |
| 47 | 12 | 8 | 20 | 40.0000 |
| 48 | 12 | 9 | 21 | 42.8571 |
| 49 | 14 | 6 | 20 | 30.0000 |
| 50 | 19 | 3 | 22 | 13.6364 |
| 51 | 12 | 8 | 20 | 40.0000 |
| 52 | 10 | 9 | 19 | 47.3684 |
| 53 | 9 | 7 | 16 | 43.7500 |
| 54 | 15 | 5 | 20 | 25.0000 |
| 55 | 14 | 5 | 19 | 26.3158 |
| 56 | 15 | 6 | 21 | 28.5714 |
| 57 | 14 | 6 | 20 | 30.0000 |
| 58 | 12 | 7 | 19 | 36.8421 |
| 59 | 11 | 8 | 19 | 42.1053 |
| 60 | 13 | 7 | 20 | 35.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:   0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 12 | 6 | 18 | 33.3333 |
| 62 | 14 | 7 | 21 | 33.3333 |
| 63 | 15 | 7 | 22 | 31.8182 |
| 64 | 11 | 8 | 19 | 42.1053 |
| 65 | 11 | 9 | 20 | 45.0000 |
| 66 | 15 | 6 | 21 | 28.5714 |
| 67 | 14 | 9 | 23 | 39.1304 |
| 68 | 11 | 8 | 19 | 42.1053 |
| 69 | 17 | 3 | 20 | 15.0000 |
| 70 | 15 | 7 | 22 | 31.8182 |
| 71 | 10 | 12 | 22 | 54.5455 |
| 72 | 11 | 10 | 21 | 47.6190 |
| 73 | 15 | 5 | 20 | 25.0000 |
| 74 | 11 | 5 | 16 | 31.2500 |
| 75 | 15 | 6 | 21 | 28.5714 |
| 76 | 15 | 5 | 20 | 25.0000 |
| 77 | 10 | 9 | 19 | 47.3684 |
| 78 | 15 | 6 | 21 | 28.5714 |
| 79 | 14 | 7 | 21 | 33.3333 |
| 80 | 14 | 5 | 19 | 26.3158 |
| 81 | 16 | 5 | 21 | 23.8095 |
| 82 | 16 | 4 | 20 | 20.0000 |
| 83 | 12 | 9 | 21 | 42.8571 |
| 84 | 13 | 8 | 21 | 38.0952 |
| 85 | 14 | 7 | 21 | 33.3333 |
| 86 | 15 | 7 | 22 | 31.8182 |
| 87 | 15 | 6 | 21 | 28.5714 |
| 88 | 12 | 9 | 21 | 42.8571 |
| 89 | 15 | 5 | 20 | 25.0000 |
| 90 | 16 | 7 | 23 | 30.4348 |

A-215

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91  | 15 | 5 | 20 | 25.0000 |
| 92  | 12 | 9 | 21 | 42.8571 |
| 93  | 14 | 6 | 20 | 30.0000 |
| 94  | 10 | 6 | 16 | 37.5000 |
| 95  | 12 | 7 | 19 | 36.8421 |
| 96  | 12 | 7 | 19 | 36.8421 |
| 97  | 16 | 5 | 21 | 23.8095 |
| 98  | 15 | 7 | 22 | 31.8182 |
| 99  | 13 | 8 | 21 | 38.0952 |
| 100 | 13 | 5 | 18 | 27.7778 |
| 101 | 15 | 7 | 22 | 31.8182 |
| 102 | 15 | 6 | 21 | 28.5714 |
| 103 | 15 | 7 | 22 | 31.8182 |
| 104 | 13 | 8 | 21 | 38.0952 |
| 105 | 10 | 7 | 17 | 41.1765 |
| 106 | 16 | 5 | 21 | 23.8095 |
| 107 | 17 | 2 | 19 | 10.5263 |
| 108 | 11 | 8 | 19 | 42.1053 |
| 109 | 14 | 7 | 21 | 33.3333 |
| 110 | 13 | 7 | 20 | 35.0000 |
| 111 | 13 | 6 | 19 | 31.5789 |
| 112 | 15 | 7 | 22 | 31.8182 |
| 113 | 15 | 6 | 21 | 28.5714 |
| 114 | 13 | 6 | 19 | 31.5789 |
| 115 | 14 | 6 | 20 | 30.0000 |
| 116 | 13 | 8 | 21 | 38.0952 |
| 117 | 13 | 9 | 22 | 40.9091 |
| 118 | 13 | 8 | 21 | 38.0952 |
| 119 | 16 | 6 | 22 | 27.2727 |
| 120 | 15 | 7 | 22 | 31.8182 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 1615 | 810 | 2425 | 33.4021 |

A-216

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 13 | 6 | 19 | 31.5789 |
| 2 | 16 | 4 | 20 | 20.0000 |
| 3 | 12 | 6 | 18 | 33.3333 |
| 4 | 18 | 5 | 23 | 21.7391 |
| 5 | 13 | 9 | 22 | 40.9091 |
| 6 | 18 | 4 | 22 | 18.1818 |
| 7 | 11 | 8 | 19 | 42.1053 |
| 8 | 17 | 3 | 20 | 15.0000 |
| 9 | 13 | 9 | 22 | 40.9091 |
| 10 | 14 | 7 | 21 | 33.3333 |
| 11 | 14 | 2 | 16 | 12.5000 |
| 12 | 15 | 5 | 20 | 25.0000 |
| 13 | 13 | 8 | 21 | 38.0952 |
| 14 | 13 | 6 | 19 | 31.5789 |
| 15 | 13 | 4 | 17 | 23.5294 |
| 16 | 16 | 4 | 20 | 20.0000 |
| 17 | 13 | 6 | 19 | 31.5789 |
| 18 | 14 | 6 | 20 | 30.0000 |
| 19 | 15 | 6 | 21 | 28.5714 |
| 20 | 15 | 7 | 22 | 31.8182 |
| 21 | 13 | 7 | 20 | 35.0000 |
| 22 | 18 | 4 | 22 | 18.1818 |
| 23 | 14 | 7 | 21 | 33.3333 |
| 24 | 15 | 6 | 21 | 28.5714 |
| 25 | 14 | 8 | 22 | 36.3636 |
| 26 | 13 | 4 | 17 | 23.5294 |
| 27 | 16 | 5 | 21 | 23.8095 |
| 28 | 14 | 8 | 22 | 36.3636 |
| 29 | 17 | 6 | 23 | 26.0870 |
| 30 | 16 | 6 | 22 | 27.2727 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:     240
PROB. OF TGT.: 0.900
LENGTH OF RUN:    2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 31 | 15 | 6 | 21 | 28.5714 |
| 32 | 12 | 8 | 20 | 40.0000 |
| 33 | 14 | 9 | 23 | 39.1304 |
| 34 | 13 | 6 | 19 | 31.5789 |
| 35 | 15 | 5 | 20 | 25.0000 |
| 36 | 11 | 8 | 19 | 42.1053 |
| 37 | 15 | 6 | 21 | 28.5714 |
| 38 | 15 | 4 | 19 | 21.0526 |
| 39 | 14 | 7 | 21 | 33.3333 |
| 40 | 15 | 6 | 21 | 28.5714 |
| 41 | 9 | 8 | 17 | 47.0588 |
| 42 | 16 | 4 | 20 | 20.0000 |
| 43 | 14 | 6 | 20 | 30.0000 |
| 44 | 15 | 4 | 19 | 21.0526 |
| 45 | 11 | 7 | 18 | 38.8889 |
| 46 | 13 | 7 | 20 | 35.0000 |
| 47 | 16 | 5 | 21 | 23.8095 |
| 48 | 12 | 7 | 19 | 36.8421 |
| 49 | 19 | 4 | 23 | 17.3913 |
| 50 | 14 | 7 | 21 | 33.3333 |
| 51 | 11 | 7 | 18 | 38.8889 |
| 52 | 14 | 6 | 20 | 30.0000 |
| 53 | 14 | 6 | 20 | 30.0000 |
| 54 | 12 | 6 | 18 | 33.3333 |
| 55 | 14 | 6 | 20 | 30.0000 |
| 56 | 15 | 5 | 20 | 25.0000 |
| 57 | 11 | 10 | 21 | 47.6190 |
| 58 | 15 | 8 | 23 | 34.7826 |
| 59 | 11 | 8 | 19 | 42.1053 |
| 60 | 11 | 9 | 20 | 45.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.900
LENGTH OF RUN: 2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 61 | 14 | 7 | 21 | 33.3333 |
| 62 | 15 | 6 | 21 | 28.5714 |
| 63 | 11 | 6 | 17 | 35.2941 |
| 64 | 13 | 9 | 22 | 40.9091 |
| 65 | 15 | 6 | 21 | 28.5714 |
| 66 | 14 | 8 | 22 | 36.3636 |
| 67 | 15 | 6 | 21 | 28.5714 |
| 68 | 11 | 8 | 19 | 42.1053 |
| 69 | 15 | 7 | 22 | 31.8182 |
| 70 | 16 | 6 | 22 | 27.2727 |
| 71 | 11 | 8 | 19 | 42.1053 |
| 72 | 11 | 7 | 18 | 38.8889 |
| 73 | 11 | 10 | 21 | 47.6190 |
| 74 | 16 | 3 | 19 | 15.7895 |
| 75 | 15 | 4 | 19 | 21.0526 |
| 76 | 13 | 7 | 20 | 35.0000 |
| 77 | 11 | 11 | 22 | 50.0000 |
| 78 | 13 | 9 | 22 | 40.9091 |
| 79 | 15 | 4 | 19 | 21.0526 |
| 80 | 16 | 5 | 21 | 23.8095 |
| 81 | 14 | 8 | 22 | 36.3636 |
| 82 | 13 | 7 | 20 | 35.0000 |
| 83 | 14 | 8 | 22 | 36.3636 |
| 84 | 11 | 8 | 19 | 42.1053 |
| 85 | 13 | 8 | 21 | 38.0952 |
| 86 | 14 | 5 | 19 | 26.3158 |
| 87 | 15 | 7 | 22 | 31.8182 |
| 88 | 13 | 7 | 20 | 35.0000 |
| 89 | 14 | 6 | 20 | 30.0000 |
| 90 | 11 | 6 | 17 | 35.2941 |

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:   0.900
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 91 | 13 | 9 | 22 | 40.9091 |
| 92 | 17 | 5 | 22 | 22.7273 |
| 93 | 14 | 6 | 20 | 30.0000 |
| 94 | 13 | 6 | 19 | 31.5789 |
| 95 | 14 | 6 | 20 | 30.0000 |
| 96 | 12 | 8 | 20 | 40.0000 |
| 97 | 16 | 5 | 21 | 23.8095 |
| 98 | 12 | 7 | 19 | 36.8421 |
| 99 | 15 | 4 | 19 | 21.0526 |
| 100 | 15 | 5 | 20 | 25.0000 |
| 101 | 14 | 4 | 18 | 22.2222 |
| 102 | 13 | 9 | 22 | 40.9091 |
| 103 | 14 | 8 | 22 | 36.3636 |
| 104 | 15 | 6 | 21 | 28.5714 |
| 105 | 14 | 8 | 22 | 36.3636 |
| 106 | 12 | 7 | 19 | 36.8421 |
| 107 | 18 | 4 | 22 | 18.1818 |
| 108 | 13 | 6 | 19 | 31.5789 |
| 109 | 8 | 10 | 18 | 55.5556 |
| 110 | 15 | 6 | 21 | 28.5714 |
| 111 | 17 | 2 | 19 | 10.5263 |
| 112 | 14 | 5 | 19 | 26.3158 |
| 113 | 11 | 5 | 16 | 31.2500 |
| 114 | 14 | 7 | 21 | 33.3333 |
| 115 | 12 | 8 | 20 | 40.0000 |
| 116 | 14 | 8 | 22 | 36.3636 |
| 117 | 15 | 4 | 19 | 21.0526 |
| 118 | 14 | 6 | 20 | 30.0000 |
| 119 | 15 | 7 | 22 | 31.8182 |
| 120 | 13 | 7 | 20 | 35.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 1661 | 766 | 2427 | 31.5616 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 0 | 205 | 205 | 100.0000 |
| 2 | 0 | 213 | 213 | 100.0000 |
| 3 | 0 | 216 | 216 | 100.0000 |
| 4 | 0 | 209 | 209 | 100.0000 |
| 5 | 0 | 220 | 220 | 100.0000 |
| TOTAL | 0 | 1063 | 1063 | 100.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:      5
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 182 | 29 | 211 | 13.7441 |
| 2 | 187 | 32 | 219 | 14.6119 |
| 3 | 186 | 29 | 215 | 13.4884 |
| 4 | 175 | 27 | 202 | 13.3663 |
| 5 | 189 | 30 | 219 | 13.6986 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 919 | 147 | 1066 | 13.7899 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 99 | 109 | 208 | 52.4038 |
| 2 | 102 | 112 | 214 | 52.3364 |
| 3 | 103 | 107 | 210 | 50.9524 |
| 4 | 101 | 101 | 202 | 50.0000 |
| 5 | 101 | 113 | 214 | 52.8037 |
| 6 | 106 | 103 | 209 | 49.2823 |
| 7 | 112 | 98 | 210 | 46.6667 |
| 8 | 85 | 120 | 205 | 58.5366 |
| 9 | 102 | 107 | 209 | 51.1962 |
| 10 | 95 | 116 | 211 | 54.9763 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 1006 | 1086 | 2092 | 51.9120 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:     10
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 94   | 116  | 210  | 55.2381 |
| 2  | 99   | 107  | 206  | 51.9417 |
| 3  | 107  | 105  | 212  | 49.5283 |
| 4  | 85   | 124  | 209  | 59.3301 |
| 5  | 107  | 88   | 195  | 45.1282 |
| 6  | 103  | 109  | 212  | 51.4151 |
| 7  | 93   | 116  | 209  | 55.5024 |
| 8  | 102  | 108  | 210  | 51.4286 |
| 9  | 95   | 105  | 200  | 52.5000 |
| 10 | 98   | 101  | 199  | 50.7538 |
| TOTAL | 983 | 1079 | 2062 | 52.3278 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:      10
SENSOR PERIOD:    30. SEC
SENSOR BUFFER:  10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.900
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| --- | --- | --- | --- | --- |
| 1 | 166 | 51 | 217 | 23.5023 |
| 2 | 170 | 47 | 217 | 21.6590 |
| 3 | 167 | 45 | 212 | 21.2264 |
| 4 | 168 | 47 | 215 | 21.8605 |
| 5 | 170 | 47 | 217 | 21.6590 |
| 6 | 164 | 45 | 209 | 21.5311 |
| 7 | 163 | 43 | 206 | 20.8738 |
| 8 | 168 | 42 | 210 | 20.0000 |
| 9 | 166 | 48 | 214 | 22.4299 |
| 10 | 165 | 47 | 212 | 22.1698 |
| TOTAL | 1667 | 462 | 2129 | 21.7003 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.900
LENGTH ØF RUN:  2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 89 | 131 | 220 | 59.5455 |
| 2  | 87 | 120 | 207 | 57.9710 |
| 3  | 93 | 116 | 209 | 55.5024 |
| 4  | 79 | 127 | 206 | 61.6505 |
| 5  | 93 | 112 | 205 | 54.6341 |
| 6  | 80 | 131 | 211 | 62.0853 |
| 7  | 92 | 118 | 210 | 56.1905 |
| 8  | 79 | 126 | 205 | 61.4634 |
| 9  | 95 | 107 | 202 | 52.9703 |
| 10 | 74 | 140 | 214 | 65.4206 |
| 11 | 93 | 114 | 207 | 55.0725 |
| 12 | 78 | 130 | 208 | 62.5000 |
| 13 | 91 | 120 | 211 | 56.8720 |
| 14 | 81 | 130 | 211 | 61.6114 |
| 15 | 81 | 129 | 210 | 61.4286 |
| 16 | 91 | 111 | 202 | 54.9505 |
| 17 | 75 | 140 | 215 | 65.1163 |
| 18 | 97 | 109 | 206 | 52.9126 |
| 19 | 86 | 124 | 210 | 59.0476 |
| 20 | 83 | 122 | 205 | 59.5122 |
| TØTAL | 1717 | 2457 | 4174 | 58.8644 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:      20
SENSOR PERIOD:   30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:   240
PROB. OF TGT.: 0.900
LENGTH OF RUN:  2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 83 | 122 | 205 | 59.5122 |
| 2 | 83 | 137 | 220 | 62.2727 |
| 3 | 75 | 130 | 205 | 63.4146 |
| 4 | 81 | 129 | 210 | 61.4286 |
| 5 | 79 | 128 | 207 | 61.8357 |
| 6 | 82 | 125 | 207 | 60.3865 |
| 7 | 81 | 127 | 208 | 61.0577 |
| 8 | 76 | 129 | 205 | 62.9268 |
| 9 | 85 | 119 | 204 | 58.3333 |
| 10 | 77 | 145 | 222 | 65.3153 |
| 11 | 95 | 121 | 216 | 56.0185 |
| 12 | 64 | 148 | 212 | 69.8113 |
| 13 | 94 | 106 | 200 | 53.0000 |
| 14 | 74 | 134 | 208 | 64.4231 |
| 15 | 79 | 124 | 203 | 61.0837 |
| 16 | 73 | 128 | 201 | 63.6816 |
| 17 | 86 | 119 | 205 | 58.0488 |
| 18 | 72 | 124 | 196 | 63.2653 |
| 19 | 76 | 125 | 201 | 62.1891 |
| 20 | 81 | 128 | 209 | 61.2440 |
| TOTAL | 1596 | 2548 | 4144 | 61.4865 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS   TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:     300. SEC
SENSØR BUFFER:     5240 BITS
TRANSMIT RATE:      300 BPS
BITS PER PØLL:      240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0.0000 |
| 2 | 0 | 0 | 0 | 0.0000 |
| 3 | 0 | 0 | 0 | 0.0000 |
| 4 | 1 | 1 | 2 | 50.0000 |
| 5 | 1 | 1 | 2 | 50.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 2 | 2 | 4 | 50.0000 |

, INT. SENSØRS, LINEAR PØLLING, SIMULTANEØUS   TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:        10
SENSØR PERIØD:     300. SEC
SENSØR BUFFER:     5240 BITS
TRANSMIT RATE:      300 BPS
BITS PER PØLL:      240
PRØB. ØF TGT.:    0.100
LENGTH ØF RUN:    2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0.0000 |
| 2 | 1 | 0 | 1 | 0.0000 |
| 3 | 1 | 0 | 1 | 0.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 1 | 0 | 1 | 0.0000 |
| 6 | 1 | 0 | 1 | 0.0000 |
| 7 | 3 | 0 | 3 | 0.0000 |
| 8 | 0 | 0 | 0 | 0.0000 |
| 9 | 1 | 0 | 1 | 0.0000 |
| 10 | 0 | 0 | 0 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 10 | 0 | 10 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 10
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0.0000 |
| 2 | 1 | 0 | 1 | 0.0000 |
| 3 | 2 | 0 | 2 | 0.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 1 | 1 | 2 | 50.0000 |
| 6 | 2 | 0 | 2 | 0.0000 |
| 7 | 1 | 0 | 1 | 0.0000 |
| 8 | 2 | 0 | 2 | 0.0000 |
| 9 | 2 | 1 | 3 | 33.3333 |
| 10 | 2 | 0 | 2 | 0.0000 |
| | ----- | ----- | ----- | -------- |
| TOTAL | 14 | 2 | 16 | 12.5000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 30
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 300 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 2 | 0 | 2 | 0.0000 |
| 2 | 1 | 1 | 2 | 50.0000 |
| 3 | 2 | 0 | 2 | 0.0000 |
| 4 | 4 | 0 | 4 | 0.0000 |
| 5 | 1 | 0 | 1 | 0.0000 |
| 6 | 2 | 0 | 2 | 0.0000 |
| 7 | 1 | 0 | 1 | 0.0000 |
| 8 | 1 | 1 | 2 | 50.0000 |
| 9 | 1 | 0 | 1 | 0.0000 |
| 10 | 0 | 0 | 0 | 0.0000 |
| 11 | 0 | 1 | 1 | 100.0000 |
| 12 | 1 | 0 | 1 | 0.0000 |
| 13 | 0 | 0 | 0 | 0.0000 |
| 14 | 2 | 0 | 2 | 0.0000 |
| 15 | 1 | 0 | 1 | 0.0000 |
| 16 | 3 | 1 | 4 | 25.0000 |
| 17 | 1 | 0 | 1 | 0.0000 |
| 18 | 1 | 0 | 1 | 0.0000 |
| 19 | 1 | 0 | 1 | 0.0000 |
| 20 | 1 | 0 | 1 | 0.0000 |
| 21 | 2 | 1 | 3 | 33.3333 |
| 22 | 1 | 0 | 1 | 0.0000 |
| 23 | 0 | 1 | 1 | 100.0000 |
| 24 | 0 | 0 | 0 | 0.0000 |
| 25 | 1 | 0 | 1 | 0.0000 |
| 26 | 2 | 0 | 2 | 0.0000 |
| 27 | 1 | 0 | 1 | 0.0000 |
| 28 | 2 | 0 | 2 | 0.0000 |
| 29 | 0 | 0 | 0 | 0.0000 |
| 30 | 1 | 1 | 2 | 50.0000 |
| TOTAL | 36 | 7 | 43 | 16.2791 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.100
LENGTH ØF RUN:    2.00 HRS


| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 3 | 0 | 3 | 0.0000 |
| 2 | 2 | 0 | 2 | 0.0000 |
| 3 | 2 | 1 | 3 | 33.3333 |
| 4 | 3 | 1 | 4 | 25.0000 |
| 5 | 1 | 1 | 2 | 50.0000 |
| 6 | 0 | 0 | 0 | 0.0000 |
| 7 | 1 | 0 | 1 | 0.0000 |
| 8 | 0 | 1 | 1 | 100.0000 |
| 9 | 5 | 0 | 5 | 0.0000 |
| 10 | 2 | 0 | 2 | 0.0000 |
| 11 | 3 | 0 | 3 | 0.0000 |
| 12 | 3 | 0 | 3 | 0.0000 |
| 13 | 2 | 0 | 2 | 0.0000 |
| 14 | 1 | 0 | 1 | 0.0000 |
| 15 | 2 | 0 | 2 | 0.0000 |
| 16 | 4 | 0 | 4 | 0.0000 |
| 17 | 2 | 1 | 3 | 33.3333 |
| 18 | 4 | 0 | 4 | 0.0000 |
| 19 | 2 | 0 | 2 | 0.0000 |
| 20 | 1 | 0 | 1 | 0.0000 |
| 21 | 1 | 0 | 1 | 0.0000 |
| 22 | 2 | 0 | 2 | 0.0000 |
| 23 | 2 | 0 | 2 | 0.0000 |
| 24 | 4 | 0 | 4 | 0.0000 |
| 25 | 1 | 0 | 1 | 0.0000 |
| 26 | 0 | 0 | 0 | 0.0000 |
| 27 | 3 | 0 | 3 | 0.0000 |
| 28 | 0 | 0 | 0 | 0.0000 |
| 29 | 0 | 0 | 0 | 0.0000 |
| 30 | 2 | 1 | 3 | 33.3333 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 2 | 0 | 2 | 0.0000 |
| 32 | 1 | 0 | 1 | 0.0000 |
| 33 | 3 | 0 | 3 | 0.0000 |
| 34 | 1 | 0 | 1 | 0.0000 |
| 35 | 4 | 0 | 4 | 0.0000 |
| 36 | 0 | 0 | 0 | 0.0000 |
| 37 | 5 | 0 | 5 | 0.0000 |
| 38 | 3 | 0 | 3 | 0.0000 |
| 39 | 3 | 1 | 4 | 25.0000 |
| 40 | 2 | 0 | 2 | 0.0000 |
| 41 | 1 | 0 | 1 | 0.0000 |
| 42 | 2 | 0 | 2 | 0.0000 |
| 43 | 4 | 0 | 4 | 0.0000 |
| 44 | 1 | 0 | 1 | 0.0000 |
| 45 | 4 | 0 | 4 | 0.0000 |
| 46 | 5 | 0 | 5 | 0.0000 |
| 47 | 2 | 0 | 2 | 0.0000 |
| 48 | 3 | 0 | 3 | 0.0000 |
| 49 | 2 | 0 | 2 | 0.0000 |
| 50 | 0 | 0 | 0 | 0.0000 |
| 51 | 0 | 1 | 1 | 100.0000 |
| 52 | 1 | 0 | 1 | 0.0000 |
| 53 | 4 | 0 | 4 | 0.0000 |
| 54 | 2 | 0 | 2 | 0.0000 |
| 55 | 3 | 0 | 3 | 0.0000 |
| 56 | 2 | 0 | 2 | 0.0000 |
| 57 | 1 | 0 | 1 | 0.0000 |
| 58 | 1 | 0 | 1 | 0.0000 |
| 59 | 1 | 0 | 1 | 0.0000 |
| 60 | 3 | 0 | 3 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 4 | 0 | 4 | 0.0000 |
| 62 | 3 | 1 | 4 | 25.0000 |
| 63 | 3 | 0 | 3 | 0.0000 |
| 64 | 4 | 0 | 4 | 0.0000 |
| 65 | 4 | 0 | 4 | 0.0000 |
| 66 | 2 | 0 | 2 | 0.0000 |
| 67 | 1 | 1 | 2 | 50.0000 |
| 68 | 3 | 0 | 3 | 0.0000 |
| 69 | 2 | 0 | 2 | 0.0000 |
| 70 | 2 | 0 | 2 | 0.0000 |
| 71 | 2 | 0 | 2 | 0.0000 |
| 72 | 1 | 1 | 2 | 50.0000 |
| 73 | 2 | 0 | 2 | 0.0000 |
| 74 | 1 | 1 | 2 | 50.0000 |
| 75 | 1 | 0 | 1 | 0.0000 |
| 76 | 1 | 0 | 1 | 0.0000 |
| 77 | 2 | 0 | 2 | 0.0000 |
| 78 | 2 | 0 | 2 | 0.0000 |
| 79 | 4 | 0 | 4 | 0.0000 |
| 80 | 6 | 0 | 6 | 0.0000 |
| 81 | 1 | 0 | 1 | 0.0000 |
| 82 | 2 | 0 | 2 | 0.0000 |
| 83 | 3 | 0 | 3 | 0.0000 |
| 84 | 4 | 0 | 4 | 0.0000 |
| 85 | 2 | 1 | 3 | 33.3333 |
| 86 | 1 | 0 | 1 | 0.0000 |
| 87 | 3 | 0 | 3 | 0.0000 |
| 88 | 2 | 0 | 2 | 0.0000 |
| 89 | 2 | 0 | 2 | 0.0000 |
| 90 | 0 | 0 | 0 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS: 120
SENSOR PERIOD: 300. SEC
SENSOR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER POLL: 240
PROB. OF TGT.: 0.100
LENGTH OF RUN: 2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 91 | 0 | 0 | 0 | 0.0000 |
| 92 | 3 | 0 | 3 | 0.0000 |
| 93 | 1 | 0 | 1 | 0.0000 |
| 94 | 4 | 0 | 4 | 0.0000 |
| 95 | 3 | 0 | 3 | 0.0000 |
| 96 | 2 | 0 | 2 | 0.0000 |
| 97 | 2 | 0 | 2 | 0.0000 |
| 98 | 1 | 0 | 1 | 0.0000 |
| 99 | 3 | 0 | 3 | 0.0000 |
| 100 | 2 | 0 | 2 | 0.0000 |
| 101 | 1 | 0 | 1 | 0.0000 |
| 102 | 0 | 0 | 0 | 0.0000 |
| 103 | 2 | 0 | 2 | 0.0000 |
| 104 | 5 | 0 | 5 | 0.0000 |
| 105 | 1 | 0 | 1 | 0.0000 |
| 106 | 2 | 0 | 2 | 0.0000 |
| 107 | 4 | 0 | 4 | 0.0000 |
| 108 | 3 | 0 | 3 | 0.0000 |
| 109 | 1 | 0 | 1 | 0.0000 |
| 110 | 2 | 0 | 2 | 0.0000 |
| 111 | 2 | 0 | 2 | 0.0000 |
| 112 | 3 | 0 | 3 | 0.0000 |
| 113 | 3 | 0 | 3 | 0.0000 |
| 114 | 2 | 0 | 2 | 0.0000 |
| 115 | 0 | 0 | 0 | 0.0000 |
| 116 | 1 | 0 | 1 | 0.0000 |
| 117 | 1 | 1 | 2 | 50.0000 |
| 118 | 2 | 0 | 2 | 0.0000 |
| 119 | 5 | 0 | 5 | 0.0000 |
| 120 | 2 | 0 | 2 | 0.0000 |
| TOTAL | 257 | 14 | 271 | 5.1661 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:   120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:   240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS


| SENSOR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1  | 2 | 0 | 2 | 0.0000 |
| 2  | 2 | 1 | 3 | 33.3333 |
| 3  | 4 | 0 | 4 | 0.0000 |
| 4  | 3 | 0 | 3 | 0.0000 |
| 5  | 3 | 1 | 4 | 25.0000 |
| 6  | 3 | 0 | 3 | 0.0000 |
| 7  | 4 | 0 | 4 | 0.0000 |
| 8  | 3 | 0 | 3 | 0.0000 |
| 9  | 2 | 0 | 2 | 0.0000 |
| 10 | 1 | 0 | 1 | 0.0000 |
| 11 | 1 | 0 | 1 | 0.0000 |
| 12 | 2 | 0 | 2 | 0.0000 |
| 13 | 1 | 0 | 1 | 0.0000 |
| 14 | 0 | 0 | 0 | 0.0000 |
| 15 | 0 | 0 | 0 | 0.0000 |
| 16 | 2 | 1 | 3 | 33.3333 |
| 17 | 1 | 0 | 1 | 0.0000 |
| 18 | 3 | 0 | 3 | 0.0000 |
| 19 | 3 | 0 | 3 | 0.0000 |
| 20 | 2 | 0 | 2 | 0.0000 |
| 21 | 3 | 0 | 3 | 0.0000 |
| 22 | 3 | 0 | 3 | 0.0000 |
| 23 | 5 | 0 | 5 | 0.0000 |
| 24 | 6 | 0 | 6 | 0.0000 |
| 25 | 2 | 0 | 2 | 0.0000 |
| 26 | 2 | 0 | 2 | 0.0000 |
| 27 | 4 | 0 | 4 | 0.0000 |
| 28 | 4 | 0 | 4 | 0.0000 |
| 29 | 4 | 0 | 4 | 0.0000 |
| 30 | 2 | 0 | 2 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:    300. SEC
SENSOR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|--------|------|---------|-------|---------|
| 31 | 1 | 0 | 1 | 0.0000 |
| 32 | 4 | 0 | 4 | 0.0000 |
| 33 | 3 | 1 | 4 | 25.0000 |
| 34 | 2 | 0 | 2 | 0.0000 |
| 35 | 6 | 0 | 6 | 0.0000 |
| 36 | 4 | 0 | 4 | 0.0000 |
| 37 | 2 | 0 | 2 | 0.0000 |
| 38 | 3 | 0 | 3 | 0.0000 |
| 39 | 0 | 1 | 1 | 100.0000 |
| 40 | 2 | 1 | 3 | 33.3333 |
| 41 | 5 | 0 | 5 | 0.0000 |
| 42 | 4 | 1 | 5 | 20.0000 |
| 43 | 1 | 0 | 1 | 0.0000 |
| 44 | 2 | 0 | 2 | 0.0000 |
| 45 | 1 | 0 | 1 | 0.0000 |
| 46 | 0 | 0 | 0 | 0.0000 |
| 47 | 2 | 0 | 2 | 0.0000 |
| 48 | 3 | 0 | 3 | 0.0000 |
| 49 | 2 | 0 | 2 | 0.0000 |
| 50 | 4 | 0 | 4 | 0.0000 |
| 51 | 1 | 0 | 1 | 0.0000 |
| 52 | 4 | 0 | 4 | 0.0000 |
| 53 | 2 | 0 | 2 | 0.0000 |
| 54 | 1 | 0 | 1 | 0.0000 |
| 55 | 3 | 0 | 3 | 0.0000 |
| 56 | 3 | 0 | 3 | 0.0000 |
| 57 | 3 | 0 | 3 | 0.0000 |
| 58 | 3 | 0 | 3 | 0.0000 |
| 59 | 1 | 1 | 2 | 50.0000 |
| 60 | 4 | 0 | 4 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 4 | 0 | 4 | 0.0000 |
| 62 | 3 | 0 | 3 | 0.0000 |
| 63 | 3 | 0 | 3 | 0.0000 |
| 64 | 1 | 0 | 1 | 0.0000 |
| 65 | 2 | 0 | 2 | 0.0000 |
| 66 | 2 | 0 | 2 | 0.0000 |
| 67 | 4 | 0 | 4 | 0.0000 |
| 68 | 3 | 1 | 4 | 25.0000 |
| 69 | 2 | 0 | 2 | 0.0000 |
| 70 | 1 | 0 | 1 | 0.0000 |
| 71 | 2 | 0 | 2 | 0.0000 |
| 72 | 6 | 0 | 6 | 0.0000 |
| 73 | 3 | 0 | 3 | 0.0000 |
| 74 | 2 | 0 | 2 | 0.0000 |
| 75 | 3 | 0 | 3 | 0.0000 |
| 76 | 2 | 0 | 2 | 0.0000 |
| 77 | 1 | 0 | 1 | 0.0000 |
| 78 | 5 | 0 | 5 | 0.0000 |
| 79 | 1 | 0 | 1 | 0.0000 |
| 80 | 3 | 0 | 3 | 0.0000 |
| 81 | 4 | 0 | 4 | 0.0000 |
| 82 | 3 | 0 | 3 | 0.0000 |
| 83 | 2 | 0 | 2 | 0.0000 |
| 84 | 3 | 1 | 4 | 25.0000 |
| 85 | 4 | 0 | 4 | 0.0000 |
| 86 | 0 | 0 | 0 | 0.0000 |
| 87 | 1 | 0 | 1 | 0.0000 |
| 88 | 4 | 0 | 4 | 0.0000 |
| 89 | 4 | 0 | 4 | 0.0000 |
| 90 | 5 | 0 | 5 | 0.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 91 | 0 | 0 | 0 | 0.0000 |
| 92 | 1 | 0 | 1 | 0.0000 |
| 93 | 2 | 0 | 2 | 0.0000 |
| 94 | 3 | 0 | 3 | 0.0000 |
| 95 | 5 | 0 | 5 | 0.0000 |
| 96 | 3 | 0 | 3 | 0.0000 |
| 97 | 3 | 0 | 3 | 0.0000 |
| 98 | 0 | 0 | 0 | 0.0000 |
| 99 | 3 | 1 | 4 | 25.0000 |
| 100 | 0 | 0 | 0 | 0.0000 |
| 101 | 2 | 1 | 3 | 33.3333 |
| 102 | 0 | 1 | 1 | 100.0000 |
| 103 | 2 | 0 | 2 | 0.0000 |
| 104 | 2 | 0 | 2 | 0.0000 |
| 105 | 1 | 0 | 1 | 0.0000 |
| 106 | 1 | 1 | 2 | 50.0000 |
| 107 | 2 | 0 | 2 | 0.0000 |
| 108 | 0 | 0 | 0 | 0.0000 |
| 109 | 5 | 0 | 5 | 0.0000 |
| 110 | 4 | 0 | 4 | 0.0000 |
| 111 | 3 | 0 | 3 | 0.0000 |
| 112 | 3 | 0 | 3 | 0.0000 |
| 113 | 3 | 0 | 3 | 0.0000 |
| 114 | 2 | 1 | 3 | 33.3333 |
| 115 | 1 | 0 | 1 | 0.0000 |
| 116 | 1 | 0 | 1 | 0.0000 |
| 117 | 4 | 0 | 4 | 0.0000 |
| 118 | 1 | 0 | 1 | 0.0000 |
| 119 | 2 | 0 | 2 | 0.0000 |
| 120 | 2 | 0 | 2 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 297 | 15 | 312 | 4.8077 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| --- | --- | --- | --- | --- |
| 1 | 0 | 8 | 8 | 100.0000 |
| 2 | 0 | 10 | 10 | 100.0000 |
| 3 | 0 | 6 | 6 | 100.0000 |
| 4 | 0 | 6 | 6 | 100.0000 |
| 5 | 0 | 8 | 8 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 0 | 38 | 38 | 100.0000 |

INT. SENSORS,LINEAR POLLING,SIMULTANEOUS  TURNON,RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:        5
SENSOR PERIOD:     30. SEC
SENSOR BUFFER:  10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL;    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS


| SENSOR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
| 1 | 22 | 0 | 22 | 0.0000 |
| 2 | 15 | 0 | 15 | 0.0000 |
| 3 | 23 | 0 | 23 | 0.0000 |
| 4 | 24 | 1 | 25 | 4.0000 |
| 5 | 17 | 0 | 17 | 0.0000 |
| | ----- | ----- | ----- | ------- |
| TOTAL | 101 | 1 | 102 | 0.9804 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS   TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 24  | 0 | 24  | 0.0000 |
| 2  | 18  | 0 | 18  | 0.0000 |
| 3  | 19  | 0 | 19  | 0.0000 |
| 4  | 24  | 0 | 24  | 0.0000 |
| 5  | 20  | 0 | 20  | 0.0000 |
| 6  | 25  | 0 | 25  | 0.0000 |
| 7  | 17  | 0 | 17  | 0.0000 |
| 8  | 23  | 0 | 23  | 0.0000 |
| 9  | 23  | 0 | 23  | 0.0000 |
| 10 | 23  | 0 | 23  | 0.0000 |
|    | ----- | ----- | ----- | -------- |
| TØTAL | 216 | 0 | 216 | 0.0000 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 24 | 2 | 26 | 7.6923 |
| 2 | 15 | 2 | 17 | 11.7647 |
| 3 | 21 | 2 | 23 | 8.6957 |
| 4 | 19 | 2 | 21 | 9.5238 |
| 5 | 20 | 4 | 24 | 16.6667 |
| 6 | 22 | 0 | 22 | 0.0000 |
| 7 | 22 | 2 | 24 | 8.3333 |
| 8 | 16 | 1 | 17 | 5.8824 |
| 9 | 23 | 3 | 26 | 11.5385 |
| 10 | 16 | 1 | 17 | 5.8824 |
| TØTAL | 198 | 19 | 217 | 8.7558 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS   TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 20 | 0 | 20 | 0.0000 |
| 2 | 17 | 2 | 19 | 10.5263 |
| 3 | 18 | 2 | 20 | 10.0000 |
| 4 | 17 | 3 | 20 | 15.0000 |
| 5 | 21 | 0 | 21 | 0.0000 |
| 6 | 17 | 2 | 19 | 10.5263 |
| 7 | 26 | 1 | 27 | 3.7037 |
| 8 | 31 | 1 | 32 | 3.1250 |
| 9 | 20 | 0 | 20 | 0.0000 |
| 10 | 26 | 0 | 26 | 0.0000 |
| TØTAL | 213 | 11 | 224 | 4.9107 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS  TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:  30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS


| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 7 | 19 | 26 | 73.0769 |
| 2  | 5 | 7  | 12 | 58.3333 |
| 3  | 4 | 11 | 15 | 73.3333 |
| 4  | 3 | 7  | 10 | 70.0000 |
| 5  | 7 | 9  | 16 | 56.2500 |
| 6  | 4 | 9  | 13 | 69.2308 |
| 7  | 3 | 14 | 17 | 82.3529 |
| 8  | 5 | 12 | 17 | 70.5882 |
| 9  | 2 | 10 | 12 | 83.3333 |
| 10 | 4 | 9  | 13 | 69.2308 |
| 11 | 6 | 14 | 20 | 70.0000 |
| 12 | 5 | 9  | 14 | 64.2857 |
| 13 | 3 | 8  | 11 | 72.7273 |
| 14 | 5 | 11 | 16 | 68.7500 |
| 15 | 2 | 6  | 8  | 75.0000 |
| 16 | 6 | 13 | 19 | 68.4211 |
| 17 | 6 | 10 | 16 | 62.5000 |
| 18 | 3 | 6  | 9  | 66.6667 |
| 19 | 5 | 12 | 17 | 70.5882 |
| 20 | 2 | 10 | 12 | 83.3333 |
| TØTAL | 87 | 206 | 293 | 70.3072 |

INT. SENSØRS,LINEAR PØLLING,SIMULTANEØUS TURNØN,RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 20
SENSØR PERIØD: 30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE: 4800 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 4 | 14 | 18 | 77.7778 |
| 2 | 4 | 7 | 11 | 63.6364 |
| 3 | 3 | 11 | 14 | 78.5714 |
| 4 | 0 | 8 | 8 | 100.0000 |
| 5 | 5 | 10 | 15 | 66.6667 |
| 6 | 5 | 10 | 15 | 66.6667 |
| 7 | 5 | 3 | 8 | 37.5000 |
| 8 | 4 | 8 | 12 | 66.6667 |
| 9 | 2 | 11 | 13 | 84.6154 |
| 10 | 4 | 6 | 10 | 60.0000 |
| 11 | 2 | 7 | 9 | 77.7778 |
| 12 | 5 | 5 | 10 | 50.0000 |
| 13 | 3 | 5 | 8 | 62.5000 |
| 14 | 4 | 8 | 12 | 66.6667 |
| 15 | 5 | 9 | 14 | 64.2857 |
| 16 | 3 | 8 | 11 | 72.7273 |
| 17 | 4 | 8 | 12 | 66.6667 |
| 18 | 7 | 8 | 15 | 53.3333 |
| 19 | 2 | 12 | 14 | 85.7143 |
| 20 | 7 | 9 | 16 | 56.2500 |
| TØTAL | 78 | 167 | 245 | 68.1633 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:     300 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:        5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 3 | 2 | 5 | 40.0000 |
| 2 | 1 | 1 | 2 | 50.0000 |
| 3 | 3 | 3 | 6 | 50.0000 |
| 4 | 3 | 2 | 5 | 40.0000 |
| 5 | 0 | 0 | 0 | 0.0000 |
| TØTAL | 10 | 8 | 18 | 44.4444 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:  ∕
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:      5

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 3 | 3 | 6 | 50.0000 |
| 2 | 2 | 2 | 4 | 50.0000 |
| 3 | 1 | 1 | 2 | 50.0000 |
| 4 | 1 | 0 | 1 | 0.0000 |
| 5 | 4 | 2 | 6 | 33.3333 |
| | | | | |
| 6 | 0 | 0 | 0 | 0.0000 |
| 7 | 3 | 3 | 6 | 50.0000 |
| 8 | 2 | 3 | 5 | 60.0000 |
| 9 | 2 | 2 | 4 | 50.0000 |
| 10 | 2 | 2 | 4 | 50.0000 |
| | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\- | \-\-\-\-\-\-\- |
| TØTAL | 20 | 18 | 38 | 47.3684 |

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      5

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 3 | 3 | 6 | 50.0000 |
| 2 | 3 | 3 | 6 | 50.0000 |
| 3 | 2 | 3 | 5 | 60.0000 |
| 4 | 2 | 2 | 4 | 50.0000 |
| 5 | 1 | 1 | 2 | 50.0000 |
| 6 | 2 | 2 | 4 | 50.0000 |
| 7 | 4 | 3 | 7 | 42.8571 |
| 8 | 2 | 2 | 4 | 50.0000 |
| 9 | 0 | 0 | 0 | 0.0000 |
| 10 | 1 | 1 | 2 | 50.0000 |
| TØTAL | 20 | 20 | 40 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:       5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 2 | 2 | 4 | 50.0000 |
| 2 | 3 | 3 | 6 | 50.0000 |
| 3 | 0 | 0 | 0 | 0.0000 |
| 4 | 7 | 4 | 11 | 36.3636 |
| 5 | 2 | 2 | 4 | 50.0000 |
| 6 | 0 | 0 | 0 | 0.0000 |
| 7 | 1 | 0 | 1 | 0.0000 |
| 8 | 2 | 2 | 4 | 50.0000 |
| 9 | 5 | 3 | 8 | 37.5000 |
| 10 | 2 | 1 | 3 | 33.3333 |
| 11 | 2 | 2 | 4 | 50.0000 |
| 12 | 2 | 2 | 4 | 50.0000 |
| 13 | 1 | 1 | 2 | 50.0000 |
| 14 | 0 | 0 | 0 | 0.0000 |
| 15 | 4 | 4 | 8 | 50.0000 |
| 16 | 0 | 0 | 0 | 0.0000 |
| 17 | 2 | 1 | 3 | 33.3333 |
| 18 | 2 | 2 | 4 | 50.0000 |
| 19 | 1 | 2 | 3 | 66.6667 |
| 20 | 1 | 1 | 2 | 50.0000 |
| 21 | 2 | 2 | 4 | 50.0000 |
| 22 | 2 | 2 | 4 | 50.0000 |
| 23 | 2 | 2 | 4 | 50.0000 |
| 24 | 3 | 2 | 5 | 40.0000 |
| 25 | 0 | 0 | 0 | 0.0000 |
| 26 | 1 | 1 | 2 | 50.0000 |
| 27 | 6 | 5 | 11 | 45.4545 |
| 28 | 0 | 0 | 0 | 0.0000 |
| 29 | 3 | 2 | 5 | 40.0000 |
| 30 | 2 | 2 | 4 | 50.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 60 | 50 | 110 | 45.4545 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:       5

| SENSØR NUMBER | MESSAGES SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0.0000 |
| 2 | 2 | 1 | 3 | 33.3333 |
| 3 | 2 | 2 | 4 | 50.0000 |
| 4 | 0 | 0 | 0 | 0.0000 |
| 5 | 2 | 2 | 4 | 50.0000 |
| 6 | 4 | 3 | 7 | 42.8571 |
| 7 | 3 | 3 | 6 | 50.0000 |
| 8 | 1 | 1 | 2 | 50.0000 |
| 9 | 1 | 1 | 2 | 50.0000 |
| 10 | 4 | 3 | 7 | 42.8571 |
| 11 | 3 | 3 | 6 | 50.0000 |
| 12 | 1 | 1 | 2 | 50.0000 |
| 13 | 2 | 2 | 4 | 50.0000 |
| 14 | 4 | 4 | 8 | 50.0000 |
| 15 | 3 | 1 | 4 | 25.0000 |
| 16 | 3 | 3 | 6 | 50.0000 |
| 17 | 5 | 3 | 8 | 37.5000 |
| 18 | 4 | 2 | 6 | 33.3333 |
| 19 | 1 | 1 | 2 | 50.0000 |
| 20 | 0 | 0 | 0 | 0.0000 |
| 21 | 1 | 1 | 2 | 50.0000 |
| 22 | 0 | 0 | 0 | 0.0000 |
| 23 | 2 | 2 | 4 | 50.0000 |
| 24 | 2 | 2 | 4 | 50.0000 |
| 25 | 1 | 1 | 2 | 50.0000 |
| 26 | 3 | 3 | 6 | 50.0000 |
| 27 | 3 | 3 | 6 | 50.0000 |
| 28 | 4 | 4 | 8 | 50.0000 |
| 29 | 2 | 1 | 3 | 33.3333 |
| 30 | 1 | 1 | 2 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:       5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 2 | 2 | 4 | 50.0000 |
| 32 | 0 | 0 | 0 | 0.0000 |
| 33 | 2 | 1 | 3 | 33.3333 |
| 34 | 0 | 0 | 0 | 0.0000 |
| 35 | 3 | 3 | 6 | 50.0000 |
| 36 | 2 | 2 | 4 | 50.0000 |
| 37 | 3 | 3 | 6 | 50.0000 |
| 38 | 1 | 1 | 2 | 50.0000 |
| 39 | 7 | 5 | 12 | 41.6667 |
| 40 | 4 | 4 | 8 | 50.0000 |
| 41 | 3 | 3 | 6 | 50.0000 |
| 42 | 2 | 2 | 4 | 50.0000 |
| 43 | 0 | 1 | 1 | 100.0000 |
| 44 | 3 | 3 | 6 | 50.0000 |
| 45 | 1 | 1 | 2 | 50.0000 |
| 46 | 0 | 0 | 0 | 0.0000 |
| 47 | 2 | 2 | 4 | 50.0000 |
| 48 | 1 | 1 | 2 | 50.0000 |
| 49 | 2 | 1 | 3 | 33.3333 |
| 50 | 3 | 3 | 6 | 50.0000 |
| 51 | 0 | 0 | 0 | 0.0000 |
| 52 | 2 | 2 | 4 | 50.0000 |
| 53 | 3 | 2 | 5 | 40.0000 |
| 54 | 5 | 4 | 9 | 44.4444 |
| 55 | 2 | 2 | 4 | 50.0000 |
| 56 | 2 | 2 | 4 | 50.0000 |
| 57 | 0 | 0 | 0 | 0.0000 |
| 58 | 1 | 1 | 2 | 50.0000 |
| 59 | 1 | 1 | 2 | 50.0000 |
| 60 | 3 | 2 | 5 | 40.0000 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:     300. SEC
SENSØR BUFFER:     5240 BITS
TRANSMIT RATE:     2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:    0.100
LENGTH ØF RUN:     2.00 HRS
# REPLY SLØTS:        5

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 61 | 2 | 2 | 4 | 50.0000 |
| 62 | 6 | 4 | 10 | 40.0000 |
| 63 | 2 | 1 | 3 | 33.3333 |
| 64 | 1 | 1 | 2 | 50.0000 |
| 65 | 2 | 1 | 3 | 33.3333 |
| 66 | 1 | 1 | 2 | 50.0000 |
| 67 | 1 | 1 | 2 | 50.0000 |
| 68 | 3 | 3 | 6 | 50.0000 |
| 69 | 1 | 2 | 3 | 66.6667 |
| 70 | 3 | 3 | 6 | 50.0000 |
| 71 | 3 | 3 | 6 | 50.0000 |
| 72 | 7 | 6 | 13 | 46.1538 |
| 73 | 1 | 1 | 2 | 50.0000 |
| 74 | 4 | 3 | 7 | 42.8571 |
| 75 | 0 | 0 | 0 | 0.0000 |
| 76 | 3 | 3 | 6 | 50.0000 |
| 77 | 1 | 1 | 2 | 50.0000 |
| 78 | 3 | 3 | 6 | 50.0000 |
| 79 | 0 | 0 | 0 | 0.0000 |
| 80 | 1 | 1 | 2 | 50.0000 |
| 81 | 3 | 2 | 5 | 40.0000 |
| 82 | 2 | 2 | 4 | 50.0000 |
| 83 | 3 | 3 | 6 | 50.0000 |
| 84 | 2 | 1 | 3 | 33.3333 |
| 85 | 0 | 0 | 0 | 0.0000 |
| 86 | 1 | 1 | 2 | 50.0000 |
| 87 | 4 | 2 | 6 | 33.3333 |
| 88 | 1 | 1 | 2 | 50.0000 |
| 89 | 2 | 2 | 4 | 50.0000 |
| 90 | 2 | 1 | 3 | 33.3333 |

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INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS
# REPLY SLØTS: 5

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 91 | 4 | 3 | 7 | 42.8571 |
| 92 | 3 | 3 | 6 | 50.0000 |
| 93 | 2 | 2 | 4 | 50.0000 |
| 94 | 3 | 3 | 6 | 50.0000 |
| 95 | 1 | 1 | 2 | 50.0000 |
| 96 | 1 | 1 | 2 | 50.0000 |
| 97 | 1 | 1 | 2 | 50.0000 |
| 98 | 2 | 2 | 4 | 50.0000 |
| 99 | 1 | 1 | 2 | 50.0000 |
| 100 | 5 | 4 | 9 | 44.4444 |
| 101 | 2 | 2 | 4 | 50.0000 |
| 102 | 2 | 2 | 4 | 50.0000 |
| 103 | 0 | 1 | 1 | 100.0000 |
| 104 | 1 | 1 | 2 | 50.0000 |
| 105 | 5 | 3 | 8 | 37.5000 |
| 106 | 2 | 2 | 4 | 50.0000 |
| 107 | 1 | 1 | 2 | 50.0000 |
| 108 | 3 | 2 | 5 | 40.0000 |
| 109 | 3 | 3 | 6 | 50.0000 |
| 110 | 2 | 1 | 3 | 33.3333 |
| 111 | 2 | 2 | 4 | 50.0000 |
| 112 | 2 | 2 | 4 | 50.0000 |
| 113 | 3 | 2 | 5 | 40.0000 |
| 114 | 2 | 2 | 4 | 50.0000 |
| 115 | 1 | 1 | 2 | 50.0000 |
| 116 | 2 | 2 | 4 | 50.0000 |
| 117 | 1 | 2 | 3 | 66.6667 |
| 118 | 2 | 1 | 3 | 33.3333 |
| 119 | 3 | 2 | 5 | 40.0000 |
| 120 | 1 | 1 | 2 | 50.0000 |
| TØTAL | 252 | 219 | 471 | 46.4968 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      5

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 1 | 1 | 2 | 50.0000 |
| 2 | 2 | 2 | 4 | 50.0000 |
| 3 | 2 | 3 | 5 | 60.0000 |
| 4 | 2 | 2 | 4 | 50.0000 |
| 5 | 3 | 3 | 6 | 50.0000 |
| 6 | 0 | 0 | 0 | 0.0000 |
| 7 | 3 | 3 | 6 | 50.0000 |
| 8 | 0 | 0 | 0 | 0.0000 |
| 9 | 1 | 2 | 3 | 66.6667 |
| 10 | 6 | 5 | 11 | 45.4545 |
| 11 | 7 | 4 | 11 | 36.3636 |
| 12 | 0 | 0 | 0 | 0.0000 |
| 13 | 4 | 3 | 7 | 42.8571 |
| 14 | 2 | 2 | 4 | 50.0000 |
| 15 | 4 | 4 | 8 | 50.0000 |
| 16 | 2 | 2 | 4 | 50.0000 |
| 17 | 6 | 5 | 11 | 45.4545 |
| 18 | 2 | 2 | 4 | 50.0000 |
| 19 | 3 | 3 | 6 | 50.0000 |
| 20 | 1 | 1 | 2 | 50.0000 |
| 21 | 0 | 0 | 0 | 0.0000 |
| 22 | 4 | 3 | 7 | 42.8571 |
| 23 | 3 | 3 | 6 | 50.0000 |
| 24 | 1 | 1 | 2 | 50.0000 |
| 25 | 3 | 3 | 6 | 50.0000 |
| 26 | 2 | 2 | 4 | 50.0000 |
| 27 | 3 | 3 | 6 | 50.0000 |
| 28 | 4 | 4 | 8 | 50.0000 |
| 29 | 5 | 5 | 10 | 50.0000 |
| 30 | 3 | 3 | 6 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:    0.100
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:    5

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 31 | 3 | 2 | 5 | 40.0000 |
| 32 | 3 | 3 | 6 | 50.0000 |
| 33 | 4 | 5 | 9 | 55.5556 |
| 34 | 2 | 2 | 4 | 50.0000 |
| 35 | 2 | 2 | 4 | 50.0000 |
| 36 | 2 | 2 | 4 | 50.0000 |
| 37 | 2 | 3 | 5 | 60.0000 |
| 38 | 2 | 1 | 3 | 33.3333 |
| 39 | 1 | 1 | 2 | 50.0000 |
| 40 | 2 | 2 | 4 | 50.0000 |
| 41 | 3 | 2 | 5 | 40.0000 |
| 42 | 1 | 1 | 2 | 50.0000 |
| 43 | 1 | 1 | 2 | 50.0000 |
| 44 | 4 | 4 | 8 | 50.0000 |
| 45 | 1 | 1 | 2 | 50.0000 |
| 46 | 2 | 2 | 4 | 50.0000 |
| 47 | 1 | 0 | 1 | 0.0000 |
| 48 | 1 | 1 | 2 | 50.0000 |
| 49 | 3 | 3 | 6 | 50.0000 |
| 50 | 3 | 2 | 5 | 40.0000 |
| 51 | 2 | 2 | 4 | 50.0000 |
| 52 | 2 | 2 | 4 | 50.0000 |
| 53 | 0 | 0 | 0 | 0.0000 |
| 54 | 1 | 1 | 2 | 50.0000 |
| 55 | 2 | 2 | 4 | 50.0000 |
| 56 | 1 | 1 | 2 | 50.0000 |
| 57 | 2 | 2 | 4 | 50.0000 |
| 58 | 3 | 3 | 6 | 50.0000 |
| 59 | 1 | 1 | 2 | 50.0000 |
| 60 | 4 | 3 | 7 | 42.8571 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:      5

| SENSØR NUMBER | SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 61 | 1 | 1 | 2 | 50.0000 |
| 62 | 3 | 3 | 6 | 50.0000 |
| 63 | 1 | 1 | 2 | 50.0000 |
| 64 | 1 | 1 | 2 | 50.0000 |
| 65 | 1 | 2 | 3 | 66.6667 |
| 66 | 1 | 1 | 2 | 50.0000 |
| 67 | 1 | 1 | 2 | 50.0000 |
| 68 | 1 | 1 | 2 | 50.0000 |
| 69 | 1 | 2 | 3 | 66.6667 |
| 70 | 0 | 0 | 0 | 0.0000 |
| 71 | 1 | 2 | 3 | 66.6667 |
| 72 | 2 | 1 | 3 | 33.3333 |
| 73 | 2 | 2 | 4 | 50.0000 |
| 74 | 5 | 5 | 10 | 50.0000 |
| 75 | 1 | 1 | 2 | 50.0000 |
| 76 | 5 | 4 | 9 | 44.4444 |
| 77 | 3 | 3 | 6 | 50.0000 |
| 78 | 2 | 3 | 5 | 60.0000 |
| 79 | 3 | 3 | 6 | 50.0000 |
| 80 | 4 | 3 | 7 | 42.8571 |
| 81 | 0 | 0 | 0 | 0.0000 |
| 82 | 1 | 1 | 2 | 50.0000 |
| 83 | 3 | 2 | 5 | 40.0000 |
| 84 | 0 | 0 | 0 | 0.0000 |
| 85 | 2 | 2 | 4 | 50.0000 |
| 86 | 3 | 3 | 6 | 50.0000 |
| 87 | 3 | 3 | 6 | 50.0000 |
| 88 | 4 | 4 | 8 | 50.0000 |
| 89 | 1 | 1 | 2 | 50.0000 |
| 90 | 1 | 1 | 2 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS
# REPLY SLØTS: 5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 3 | 3 | 6  | 50.0000 |
| 92  | 1 | 1 | 2  | 50.0000 |
| 93  | 0 | 0 | 0  | 0.0000  |
| 94  | 3 | 1 | 4  | 25.0000 |
| 95  | 0 | 0 | 0  | 0.0000  |
| 96  | 2 | 3 | 5  | 60.0000 |
| 97  | 2 | 2 | 4  | 50.0000 |
| 98  | 1 | 1 | 2  | 50.0000 |
| 99  | 4 | 3 | 7  | 42.8571 |
| 100 | 3 | 3 | 6  | 50.0000 |
| 101 | 3 | 3 | 6  | 50.0000 |
| 102 | 2 | 3 | 5  | 60.0000 |
| 103 | 2 | 2 | 4  | 50.0000 |
| 104 | 3 | 3 | 6  | 50.0000 |
| 105 | 3 | 2 | 5  | 40.0000 |
| 106 | 1 | 1 | 2  | 50.0000 |
| 107 | 1 | 1 | 2  | 50.0000 |
| 108 | 2 | 2 | 4  | 50.0000 |
| 109 | 0 | 0 | 0  | 0.0000  |
| 110 | 2 | 2 | 4  | 50.0000 |
| 111 | 2 | 2 | 4  | 50.0000 |
| 112 | 5 | 3 | 8  | 37.5000 |
| 113 | 4 | 3 | 7  | 42.8571 |
| 114 | 3 | 3 | 6  | 50.0000 |
| 115 | 0 | 0 | 0  | 0.0000  |
| 116 | 6 | 4 | 10 | 40.0000 |
| 117 | 2 | 2 | 4  | 50.0000 |
| 118 | 3 | 2 | 5  | 40.0000 |
| 119 | 1 | 1 | 2  | 50.0000 |
| 120 | 3 | 3 | 6  | 50.0000 |
| TØTAL | 264 | 247 | 511 | 48.3366 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:       5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 0 | 27 | 27 | 100.0000 |
| 2 | 0 | 17 | 17 | 100.0000 |
| 3 | 0 | 25 | 25 | 100.0000 |
| 4 | 0 | 28 | 28 | 100.0000 |
| 5 | 0 | 25 | 25 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 0 | 122 | 122 | 100.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:        5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 29 | 27 | 56 | 48.2143 |
| 2 | 21 | 22 | 43 | 51.1628 |
| 3 | 20 | 20 | 40 | 50.0000 |
| 4 | 26 | 24 | 50 | 48.0000 |
| 5 | 24 | 17 | 41 | 41.4634 |
| TØTAL | 120 | 110 | 230 | 47.8261 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 25 | 24 | 49 | 48.9796 |
| 2 | 20 | 22 | 42 | 52.3810 |
| 3 | 20 | 23 | 43 | 53.4884 |
| 4 | 16 | 15 | 31 | 48.3871 |
| 5 | 33 | 31 | 64 | 48.4375 |
| 6 | 18 | 16 | 34 | 47.0588 |
| 7 | 22 | 25 | 47 | 53.1915 |
| 8 | 15 | 18 | 33 | 54.5455 |
| 9 | 20 | 20 | 40 | 50.0000 |
| 10 | 23 | 25 | 48 | 52.0833 |
| TØTAL | 212 | 219 | 431 | 50.8121 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:       10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:       5

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 12 | 14 | 26 | 53.8462 |
| 2 | 12 | 16 | 28 | 57.1429 |
| 3 | 27 | 28 | 55 | 50.9091 |
| 4 | 22 | 20 | 42 | 47.6190 |
| 5 | 11 | 15 | 26 | 57.6923 |
| 6 | 23 | 23 | 46 | 50.0000 |
| 7 | 18 | 15 | 33 | 45.4545 |
| 8 | 19 | 17 | 36 | 47.2222 |
| 9 | 21 | 21 | 42 | 50.0000 |
| 10 | 23 | 20 | 43 | 46.5116 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 188 | 189 | 377 | 50.1326 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA::
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:       5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 19 | 18 | 37 | 48.6486 |
| 2 | 17 | 17 | 34 | 50.0000 |
| 3 | 21 | 20 | 41 | 48.7805 |
| 4 | 27 | 23 | 50 | 46.0000 |
| 5 | 13 | 14 | 27 | 51.8519 |
| 6 | 26 | 24 | 50 | 48.0000 |
| 7 | 24 | 24 | 48 | 50.0000 |
| 8 | 20 | 17 | 37 | 45.9459 |
| 9 | 24 | 20 | 44 | 45.4545 |
| 10 | 22 | 20 | .42 | 47.6190 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 213 | 197 | 410 | 48.0488 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     5

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 20 | 20 | 40 | 50.0000 |
| 2 | 16 | 17 | 33 | 51.5152 |
| 3 | 18 | 20 | 38 | 52.6316 |
| 4 | 18 | 22 | 40 | 55.0000 |
| 5 | 21 | 25 | 46 | 54.3478 |
| 6 | 25 | 26 | 51 | 50.9804 |
| 7 | 13 | 20 | 33 | 60.6061 |
| 8 | 21 | 23 | 44 | 52.2727 |
| 9 | 22 | 21 | 43 | 48.8372 |
| 10 | 25 | 28 | 53 | 52.8302 |
| 11 | 31 | 33 | 64 | 51.5625 |
| 12 | 32 | 28 | 60 | 46.6667 |
| 13 | 16 | 20 | 36 | 55.5556 |
| 14 | 23 | 24 | 47 | 51.0638 |
| 15 | 17 | 17 | 34 | 50.0000 |
| 16 | 16 | 21 | 37 | 56.7568 |
| 17 | 17 | 18 | 35 | 51.4286 |
| 18 | 16 | 20 | 36 | 55.5556 |
| 19 | 24 | 25 | 49 | 51.0204 |
| 20 | 22 | 29 | 51 | 56.8627 |
| TØTAL | 413 | 457 | 870 | 52.5287 |

INT. SENSORS, ANSWER SLOTS,EVEN INTERVAL TURNON, RANDOM DETECTION
POLL AT 300 BPS

RUN DATA:
NO OF SENSORS:    20
SENSOR PERIOD:    30. SEC
SENSOR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER POLL:    240
PROB. OF TGT.: 0.100
LENGTH OF RUN:  2.00 HRS
# REPLY SLOTS:      5

| SENSOR NUMBER | MESSAGES SENT | DROPPED | TOTAL | PERCENT DROPPED |
|---|---|---|---|---|
| 1 | 24 | 21 | 45 | 46.6667 |
| 2 | 23 | 24 | 47 | 51.0638 |
| 3 | 20 | 20 | 40 | 50.0000 |
| 4 | 20 | 21 | 41 | 51.2195 |
| 5 | 19 | 20 | 39 | 51.2821 |
| 6 | 19 | 17 | 36 | 47.2222 |
| 7 | 25 | 25 | 50 | 50.0000 |
| 8 | 20 | 23 | 43 | 53.4884 |
| 9 | 23 | 22 | 45 | 48.8889 |
| 10 | 26 | 26 | 52 | 50.0000 |
| 11 | 23 | 25 | 48 | 52.0833 |
| 12 | 19 | 19 | 38 | 50.0000 |
| 13 | 21 | 19 | 40 | 47.5000 |
| 14 | 27 | 29 | 56 | 51.7857 |
| 15 | 19 | 19 | 38 | 50.0000 |
| 16 | 18 | 18 | 36 | 50.0000 |
| 17 | 20 | 23 | 43 | 53.4884 |
| 18 | 21 | 22 | 43 | 51.1628 |
| 19 | 25 | 24 | 49 | 48.9796 |
| 20 | 21 | 18 | 39 | 46.1538 |
| TOTAL | 433 | 435 | 868 | 50.1152 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:         5
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:   0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:       10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 4 | 3 | 7 | 42.8571 |
| 2 | 3 | 3 | 6 | 50.0000 |
| 3 | 2 | 1 | 3 | 33.3333 |
| 4 | 1 | 1 | 2 | 50.0000 |
| 5 | 0 | 0 | 0 | 0.0000 |
| TØTAL | 10 | 8 | 18 | 44.4444 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:

NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 1 | 1 | 2 | 50.0000 |
| 2  | 4 | 1 | 5 | 20.0000 |
| 3  | 1 | 2 | 3 | 66.6667 |
| 4  | 2 | 2 | 4 | 50.0000 |
| 5  | 5 | 4 | 9 | 44.4444 |
| 6  | 4 | 3 | 7 | 42.8571 |
| 7  | 2 | 2 | 4 | 50.0000 |
| 8  | 0 | 0 | 0 | 0.0000 |
| 9  | 2 | 2 | 4 | 50.0000 |
| 10 | 3 | 3 | 6 | 50.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 24 | 20 | 44 | 45.4545 |

. INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

```
RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10
```

| SENSØR NUMBER | ----MESSAGES---- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 3 | 3 | 6 | 50.0000 |
| 2 | 1 | 1 | 2 | 50.0000 |
| 3 | 2 | 2 | 4 | 50.0000 |
| 4 | 3 | 3 | 6 | 50.0000 |
| 5 | 4 | 3 | 7 | 42.8571 |
| 6 | 1 | 1 | 2 | 50.0000 |
| 7 | 3 | 2 | 5 | 40.0000 |
| 8 | 1 | 2 | 3 | 66.6667 |
| 9 | 2 | 3 | 5 | 60.0000 |
| 10 | 6 | 3 | 9 | 33.3333 |
| TØTAL | 26 | 23 | 49 | 46.9388 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      30
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 3 | 3 | 6  | 50.0000 |
| 2  | 3 | 3 | 6  | 50.0000 |
| 3  | 4 | 4 | 8  | 50.0000 |
| 4  | 3 | 2 | 5  | 40.0000 |
| 5  | 1 | 1 | 2  | 50.0000 |
| 6  | 1 | 1 | 2  | 50.0000 |
| 7  | 0 | 0 | 0  | 0.0000 |
| 8  | 2 | 2 | 4  | 50.0000 |
| 9  | 0 | 0 | 0  | 0.0000 |
| 10 | 2 | 2 | 4  | 50.0000 |
| 11 | 6 | 4 | 10 | 40.0000 |
| 12 | 3 | 3 | 6  | 50.0000 |
| 13 | 1 | 1 | 2  | 50.0000 |
| 14 | 1 | 1 | 2  | 50.0000 |
| 15 | 2 | 1 | 3  | 33.3333 |
| 16 | 5 | 5 | 10 | 50.0000 |
| 17 | 0 | 0 | 0  | 0.0000 |
| 18 | 3 | 1 | 4  | 25.0000 |
| 19 | 1 | 0 | 1  | 0.0000 |
| 20 | 0 | 0 | 0  | 0.0000 |
| 21 | 3 | 3 | 6  | 50.0000 |
| 22 | 3 | 3 | 6  | 50.0000 |
| 23 | 5 | 3 | 8  | 37.5000 |
| 24 | 3 | 1 | 4  | 25.0000 |
| 25 | 2 | 2 | 4  | 50.0000 |
| 26 | 1 | 1 | 2  | 50.0000 |
| 27 | 6 | 4 | 10 | 40.0000 |
| 28 | 1 | 1 | 2  | 50.0000 |
| 29 | 4 | 4 | 8  | 50.0000 |
| 30 | 3 | 3 | 6  | 50.0000 |
| TØTAL | 72 | 59 | 131 | 45.0382 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS
# REPLY SLØTS: 10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 3 | 1 | 4 | 25.0000 |
| 2 | 1 | 1 | 2 | 50.0000 |
| 3 | 2 | 2 | 4 | 50.0000 |
| 4 | 2 | 2 | 4 | 50.0000 |
| 5 | 4 | 3 | 7 | 42.8571 |
| 6 | 2 | 2 | 4 | 50.0000 |
| 7 | 2 | 2 | 4 | 50.0000 |
| 8 | 3 | 1 | 4 | 25.0000 |
| 9 | 2 | 2 | 4 | 50.0000 |
| 10 | 3 | 3 | 6 | 50.0000 |
| 11 | 1 | 1 | 2 | 50.0000 |
| 12 | 1 | 1 | 2 | 50.0000 |
| 13 | 1 | 1 | 2 | 50.0000 |
| 14 | 4 | 3 | 7 | 42.8571 |
| 15 | 0 | 0 | 0 | 0.0000 |
| 16 | 4 | 4 | 8 | 50.0000 |
| 17 | 1 | 1 | 2 | 50.0000 |
| 18 | 1 | 1 | 2 | 50.0000 |
| 19 | 3 | 3 | 6 | 50.0000 |
| 20 | 1 | 1 | 2 | 50.0000 |
| 21 | 2 | 2 | 4 | 50.0000 |
| 22 | 2 | 2 | 4 | 50.0000 |
| 23 | 2 | 2 | 4 | 50.0000 |
| 24 | 4 | 4 | 8 | 50.0000 |
| 25 | 1 | 1 | 2 | 50.0000 |
| 26 | 4 | 3 | 7 | 42.8571 |
| 27 | 1 | 1 | 2 | 50.0000 |
| 28 | 2 | 2 | 4 | 50.0000 |
| 29 | 0 | 0 | 0 | 0.0000 |
| 30 | 4 | 3 | 7 | 42.8571 |

INT. SENSORS, ANSWER SLOTS, EVEN INTERVAL TURNON, RANDOM DETECTION
POLL AT 300 BPS


RUN DATA:
NO OF SENSORS:    120
SENSOR PERIOD:   300. SEC
SENSOR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER POLL:    240
PROB. OF TGT.:  0.100
LENGTH OF RUN:   2.00 HRS
# REPLY SLOTS:     10

| SENSOR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DROPPED | TOTAL | DROPPED |
|---|---|---|---|---|
| 31 | 3 | 3 | 6 | 50.0000 |
| 32 | 1 | 1 | 2 | 50.0000 |
| 33 | 1 | 1 | 2 | 50.0000 |
| 34 | 2 | 2 | 4 | 50.0000 |
| 35 | 3 | 2 | 5 | 40.0000 |
| 36 | 2 | 2 | 4 | 50.0000 |
| 37 | 5 | 5 | 10 | 50.0000 |
| 38 | 1 | 1 | 2 | 50.0000 |
| 39 | 2 | 2 | 4 | 50.0000 |
| 40 | 1 | 1 | 2 | 50.0000 |
| 41 | 1 | 1 | 2 | 50.0000 |
| 42 | 0 | 0 | 0 | 0.0000 |
| 43 | 2 | 2 | 4 | 50.0000 |
| 44 | 3 | 3 | 6 | 50.0000 |
| 45 | 3 | 4 | 7 | 57.1429 |
| 46 | 0 | 0 | 0 | 0.0000 |
| 47 | 2 | 3 | 5 | 60.0000 |
| 48 | 5 | 3 | 8 | 37.5000 |
| 49 | 0 | 1 | 1 | 100.0000 |
| 50 | 2 | 2 | 4 | 50.0000 |
| 51 | 2 | 2 | 4 | 50.0000 |
| 52 | 3 | 3 | 6 | 50.0000 |
| 53 | 2 | 2 | 4 | 50.0000 |
| 54 | 5 | 3 | 8 | 37.5000 |
| 55 | 2 | 2 | 4 | 50.0000 |
| 56 | 5 | 4 | 9 | 44.4444 |
| 57 | 3 | 3 | 6 | 50.0000 |
| 58 | 3 | 2 | 5 | 40.0000 |
| 59 | 4 | 4 | 8 | 50.0000 |
| 60 | 2 | 2 | 4 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:      10

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 61 | 2 | 2 | 4 | 50.0000 |
| 62 | 2 | 2 | 4 | 50.0000 |
| 63 | 2 | 2 | 4 | 50.0000 |
| 64 | 2 | 2 | 4 | 50.0000 |
| 65 | 2 | 2 | 4 | 50.0000 |
| 66 | 1 | 1 | 2 | 50.0000 |
| 67 | 2 | 0 | 2 | 0.0000 |
| 68 | 0 | 1 | 1 | 100.0000 |
| 69 | 4 | 3 | 7 | 42.8571 |
| 70 | 1 | 1 | 2 | 50.0000 |
| 71 | 3 | 3 | 6 | 50.0000 |
| 72 | 3 | 2 | 5 | 40.0000 |
| 73 | 5 | 4 | 9 | 44.4444 |
| 74 | 1 | 2 | 3 | 66.6667 |
| 75 | 1 | 1 | 2 | 50.0000 |
| 76 | 2 | 3 | 5 | 60.0000 |
| 77 | 1 | 1 | 2 | 50.0000 |
| 78 | 1 | 1 | 2 | 50.0000 |
| 79 | 4 | 3 | 7 | 42.8571 |
| 80 | 4 | 4 | 8 | 50.0000 |
| 81 | 1 | 2 | 3 | 66.6667 |
| 82 | 2 | 1 | 3 | 33.3333 |
| 83 | 2 | 2 | 4 | 50.0000 |
| 84 | 4 | 3 | 7 | 42.8571 |
| 85 | 2 | 2 | 4 | 50.0000 |
| 86 | 2 | 2 | 4 | 50.0000 |
| 87 | 1 | 1 | 2 | 50.0000 |
| 88 | 3 | 2 | 5 | 40.0000 |
| 89 | 3 | 2 | 5 | 40.0000 |
| 90 | 2 | 1 | 3 | 33.3333 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS.
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91  | 3 | 2 | 5  | 40.0000 |
| 92  | 4 | 2 | 6  | 33.3333 |
| 93  | 5 | 3 | 8  | 37,5000 |
| 94  | 0 | 0 | 0  | 0.0000 |
| 95  | 3 | 1 | 4  | 25.0000 |
| 96  | 3 | 3 | 6  | 50.0000 |
| 97  | 1 | 2 | 3  | 66.6667 |
| 98  | 1 | 1 | 2  | 50.0000 |
| 99  | 1 | 1 | 2  | 50.0000 |
| 100 | 7 | 3 | 10 | 30.0000 |
| 101 | 2 | 2 | 4  | 50.0000 |
| 102 | 2 | 2 | 4  | 50.0000 |
| 103 | 3 | 2 | 5  | 40.0000 |
| 104 | 3 | 3 | 6  | 50.0000 |
| 105 | 3 | 3 | 6  | 50.0000 |
| 106 | 3 | 3 | 6  | 50.0000 |
| 107 | 2 | 2 | 4  | 50.0000 |
| 108 | 0 | 0 | 0  | 0.0000 |
| 109 | 0 | 0 | 0  | 0.0000 |
| 110 | 2 | 2 | 4  | 50.0000 |
| 111 | 2 | 2 | 4  | 50.0000 |
| 112 | 2 | 2 | 4  | 50.0000 |
| 113 | 2 | 2 | 4  | 50.0000 |
| 114 | 2 | 2 | 4  | 50.0000 |
| 115 | 1 | 1 | 2  | 50.0000 |
| 116 | 1 | 1 | 2  | 50.0000 |
| 117 | 4 | 3 | 7  | 42.8571 |
| 118 | 3 | 3 | 6  | 50.0000 |
| 119 | 1 | 1 | 2  | 50.0000 |
| 120 | 4 | 4 | 8  | 50.0000 |
| TØTAL | 268 | 237 | 505 | 46.9307 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 1 | 1 | 2 | 50.0000 |
| 2 | 2 | 2 | 4 | 50.0000 |
| 3 | 1 | 0 | 1 | 0.0000 |
| 4 | 1 | 1 | 2 | 50.0000 |
| 5 | 4 | 4 | 8 | 50.0000 |
| 6 | 4 | 4 | 8 | 50.0000 |
| 7 | 1 | 1 | 2 | 50.0000 |
| 8 | 6 | 5 | 11 | 45.4545 |
| 9 | 1 | 1 | 2 | 50.0000 |
| 10 | 2 | 2 | 4 | 50.0000 |
| 11 | 3 | 3 | 6 | 50.0000 |
| 12 | 1 | 1 | 2 | 50.0000 |
| 13 | 3 | 2 | 5 | 40.0000 |
| 14 | 1 | 1 | 2 | 50.0000 |
| 15 | 1 | 1 | 2 | 50.0000 |
| 16 | 2 | 2 | 4 | 50.0000 |
| 17 | 2 | 1 | 3 | 33.3333 |
| 18 | 5 | 4 | 9 | 44.4444 |
| 19 | 0 | 0 | 0 | 0.0000 |
| 20 | 2 | 2 | 4 | 50.0000 |
| 21 | 5 | 4 | 9 | 44.4444 |
| 22 | 4 | 3 | 7 | 42.8571 |
| 23 | 2 | 2 | 4 | 50.0000 |
| 24 | 3 | 3 | 6 | 50.0000 |
| 25 | 5 | 3 | 8 | 37.5000 |
| 26 | 5 | 3 | 8 | 37.5000 |
| 27 | 3 | 3 | 6 | 50.0000 |
| 28 | 4 | 4 | 8 | 50.0000 |
| 29 | 2 | 2 | 4 | 50.0000 |
| 30 | 3 | 3 | 6 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:     120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:  ·  10

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 31 | 1 | 1 | 2 | 50.0000 |
| 32 | 2 | 2 | 4 | 50.0000 |
| 33 | 2 | 2 | 4 | 50.0000 |
| 34 | 0 | 0 | 0 | 0.0000 |
| 35 | 2 | 2 | 4 | 50.0000 |
| 36 | 3 | 3 | 6 | 50.0000 |
| 37 | 4 | 4 | 8 | 50.0000 |
| 38 | 2 | 2 | 4 | 50.0000 |
| 39 | 1 | 1 | 2 | 50.0000 |
| 40 | 2 | 2 | 4 | 50.0000 |
| 41 | 2 | 1 | 3 | 33.3333 |
| 42 | 1 | 1 | 2 | 50.0000 |
| 43 | 2 | 1 | 3 | 33.3333 |
| 44 | 3 | 3 | 6 | 50.0000 |
| 45 | 1 | 1 | 2 | 50.0000 |
| 46 | 2 | 2 | 4 | 50.0000 |
| 47 | 2 | 1 | 3 | 33.3333 |
| 48 | 2 | 2 | 4 | 50.0000 |
| 49 | 0 | 0 | 0 | 0.0000 |
| 50 | 4 | 4 | 8 | 50.0000 |
| 51 | 0 | 0 | 0 | 0.0000 |
| 52 | 1 | 1 | 2 | 50.0000 |
| 53 | 3 | 3 | 6 | 50.0000 |
| 54 | 2 | 2 | 4 | 50.0000 |
| 55 | 5 | 5 | 10 | 50.0000 |
| 56 | 0 | 0 | 0 | 0.0000 |
| 57 | 1 | 1 | 2 | 50.0000 |
| 58 | 2 | 2 | 4 | 50.0000 |
| 59 | 3 | 3 | 6 | 50.0000 |
| 60 | 3 | 2 | 5 | 40.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN: 2.00 HRS
# REPLY SLØTS: 10

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 61 | 0 | 0 | 0 | 0.0000 |
| 62 | 2 | 2 | 4 | 50.0000 |
| 63 | 3 | 2 | 5 | 40.0000 |
| 64 | 4 | 4 | 8 | 50.0000 |
| 65 | 1 | 1 | 2 | 50.0000 |
| 66 | 3 | 3 | 6 | 50.0000 |
| 67 | 4 | 3 | 7 | 42.8571 |
| 68 | 0 | 0 | 0 | 0.0000 |
| 69 | 2 | 2 | 4 | 50.0000 |
| 70 | 1 | 0 | 1 | 0.0000 |
| 71 | 2 | 2 | 4 | 50.0000 |
| 72 | 1 | 0 | 1 | 0.0000 |
| 73 | 4 | 4 | 8 | 50.0000 |
| 74 | 5 | 4 | 9 | 44.4444 |
| 75 | 2 | 2 | 4 | 50.0000 |
| 76 | 1 | 1 | 2 | 50.0000 |
| 77 | 2 | 2 | 4 | 50.0000 |
| 78 | 1 | 1 | 2 | 50.0000 |
| 79 | 1 | 1 | 2 | 50.0000 |
| 80 | 1 | 1 | 2 | 50.0000 |
| 81 | 0 | 0 | 0 | 0.0000 |
| 82 | 5 | 4 | 9 | 44.4444 |
| 83 | 4 | 4 | 8 | 50.0000 |
| 84 | 1 | 1 | 2 | 50.0000 |
| 85 | 1 | 1 | 2 | 50.0000 |
| 86 | 2 | 2 | 4 | 50.0000 |
| 87 | 4 | 3 | 7 | 42.8571 |
| 88 | 2 | 2 | 4 | 50.0000 |
| 89 | 0 | 0 | 0 | 0.0000 |
| 90 | 2 | 2 | 4 | 50.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:     10

| SENSØR NUMBER | SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 91 | 1 | 1 | 2 | 50.0000 |
| 92 | 1 | 1 | 2 | 50.0000 |
| 93 | 4 | 4 | 8 | 50.0000 |
| 94 | 2 | 1 | 3 | 33.3333 |
| 95 | 1 | 1 | 2 | 50.0000 |
| 96 | 3 | 3 | 6 | 50.0000 |
| 97 | 2 | 2 | 4 | 50.0000 |
| 98 | 0 | 0 | 0 | 0.0000 |
| 99 | 2 | 1 | 3 | 33.3333 |
| 100 | 2 | 1 | 3 | 33.3333 |
| 101 | 3 | 2 | 5 | 40.0000 |
| 102 | 8 | 4 | 12 | 33.3333 |
| 103 | 3 | 3 | 6 | 50.0000 |
| 104 | 0 | 0 | 0 | 0.0000 |
| 105 | 1 | 1 | 2 | 50.0000 |
| 106 | 2 | 2 | 4 | 50.0000 |
| 107 | 1 | 1 | 2 | 50.0000 |
| 108 | 5 | 3 | 8 | 37.5000 |
| 109 | 4 | 4 | 8 | 50.0000 |
| 110 | 1 | 1 | 2 | 50.0000 |
| 111 | 3 | 2 | 5 | 40.0000 |
| 112 | 2 | 1 | 3 | 33.3333 |
| 113 | 2 | 2 | 4 | 50.0000 |
| 114 | 4 | 2 | 6 | 33.3333 |
| 115 | 3 | 3 | 6 | 50.0000 |
| 116 | 3 | 3 | 6 | 50.0000 |
| 117 | 2 | 2 | 4 | 50.0000 |
| 118 | 1 | 1 | 2 | 50.0000 |
| 119 | 4 | 2 | 6 | 33.3333 |
| 120 | 3 | 3 | 6 | 50.0000 |
| TØTAL | 271 | 233 | 504 | 46.2302 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:       10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 0 | 22 | 22 | 100.0000 |
| 2 | 0 | 23 | 23 | 100.0000 |
| 3 | 0 | 15 | 15 | 100.0000 |
| 4 | 0 | 20 | 20 | 100.0000 |
| 5 | 0 | 28 | 28 | 100.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 0 | 108 | 108 | 100.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 24 | 22 | 46 | 47.8261 |
| 2 | 31 | 28 | 59 | 47.4576 |
| 3 | 20 | 18 | 38 | 47.3684 |
| 4 | 13 | 12 | 25 | 48.0000 |
| 5 | 17 | 17 | 34 | 50.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 105 | 97 | 202 | 48.0198 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1      | 20   | 22      | 42    | 52.3810 |
| 2      | 28   | 27      | 55    | 49.0909 |
| 3      | 27   | 24      | 51    | 47.0588 |
| 4      | 12   | 15      | 27    | 55.5556 |
| 5      | 29   | 30      | 59    | 50.8475 |
| 6      | 20   | 22      | 42    | 52.3810 |
| 7      | 20   | 20      | 40    | 50.0000 |
| 8      | 19   | 17      | 36    | 47.2222 |
| 9      | 18   | 19      | 37    | 51.3514 |
| 10     | 21   | 23      | 44    | 52.2727 |
| TØTAL  | 214  | 219     | 433   | 50.5774 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:      10

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 24 | 21 | 45 | 46.6667 |
| 2 | 20 | 18 | 38 | 47.3684 |
| 3 | 19 | 18 | 37 | 48.6486 |
| 4 | 21 | 22 | 43 | 51.1628 |
| 5 | 22 | 23 | 45 | 51.1111 |
| 6 | 20 | 20 | 40 | 50.0000 |
| 7 | 25 | 24 | 49 | 48.9796 |
| 8 | 23 | 20 | 43 | 46.5116 |
| 9 | 21 | 21 | 42 | 50.0000 |
| 10 | 17 | 18 | 35 | 51.4286 |
| TØTAL | 212 | 205 | 417 | 49.1607 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 15 | 18 | 33 | 54.5455 |
| 2 | 21 | 21 | 42 | 50.0000 |
| 3 | 29 | 30 | 59 | 50.8475 |
| 4 | 20 | 18 | 38 | 47.3684 |
| 5 | 28 | 31 | 59 | 52.5424 |
| 6 | 25 | 24 | 49 | 48.9796 |
| 7 | 24 | 26 | 50 | 52.0000 |
| 8 | 25 | 25 | 50 | 50.0000 |
| 9 | 20 | 19 | 39 | 48.7179 |
| 10 | 24 | 23 | 47 | 48.9362 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 231 | 235 | 466 | 50.4292 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:      20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.100
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:    10

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 26 | 23 | 49 | 46.9388 |
| 2 | 16 | 16 | 32 | 50.0000 |
| 3 | 20 | 23 | 43 | 53.4884 |
| 4 | 31 | 31 | 62 | 50.0000 |
| 5 | 31 | 26 | 57 | 45.6140 |
| 6 | 19 | 19 | 38 | 50.0000 |
| 7 | 20 | 22 | 42 | 52.3810 |
| 8 | 22 | 24 | 46 | 52.1739 |
| 9 | 23 | 25 | 48 | 52.0833 |
| 10 | 19 | 19 | 38 | 50.0000 |
| 11 | 20 | 23 | 43 | 53.4884 |
| 12 | 21 | 21 | 42 | 50.0000 |
| 13 | 20 | 22 | 42 | 52.3810 |
| 14 | 24 | 26 | 50 | 52.0000 |
| 15 | 23 | 21 | 44 | 47.7273 |
| 16 | 19 | 20 | 39 | 51.2821 |
| 17 | 19 | 17 | 36 | 47.2222 |
| 18 | 17 | 14 | 31 | 45.1613 |
| 19 | 13 | 12 | 25 | 48.0000 |
| 20 | 18 | 21 | 39 | 53.8462 |
| TØTAL | 421 | 425 | 846 | 50.2364 |

MUX LINK SIMULATØR RUN  2294     PAGE 1 ØF 1.      15:09  22-DEC-78
INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:    30. SEC
SENSØR BUFFER:  10240 BITS
TRANSMIT RATE:   4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.100
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:     10

| SENSØR  | -----MESSAGES----- | | | PERCENT |
|---------|------|---------|-------|---------|
| NUMBER  | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 24 | 22 | 46 | 47.8261 |
| 2  | 25 | 25 | 50 | 50.0000 |
| 3  | 19 | 19 | 38 | 50.0000 |
| 4  | 23 | 19 | 42 | 45.2381 |
| 5  | 19 | 19 | 38 | 50.0000 |
| 6  | 33 | 30 | 63 | 47.6190 |
| 7  | 27 | 22 | 49 | 44.8980 |
| 8  | 20 | 19 | 39 | 48.7179 |
| 9  | 22 | 21 | 43 | 48.8372 |
| 10 | 19 | 16 | 35 | 45.7143 |
| 11 | 23 | 23 | 46 | 50.0000 |
| 12 | 17 | 15 | 32 | 46.8750 |
| 13 | 21 | 21 | 42 | 50.0000 |
| 14 | 26 | 23 | 49 | 46.9388 |
| 15 | 24 | 23 | 47 | 48.9362 |
| 16 | 25 | 26 | 51 | 50.9804 |
| 17 | 27 | 29 | 56 | 51.7857 |
| 18 | 22 | 19 | 41 | 46.3415 |
| 19 | 24 | 20 | 44 | 45.4545 |
| 20 | 15 | 19 | 34 | 55.8824 |
| TØTAL | 455 | 430 | 885 | 48.5876 |

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INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:        5
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 1 | 9 | 8 | 17 | 47.0588 |
| 2 | 13 | 6 | 19 | 31.5789 |
| 3 | 8 | 5 | 13 | 38.4615 |
| 4 | 8 | 4 | 12 | 33.3333 |
| 5 | 13 | 7 | 20 | 35.0000 |
| | ----- | ----- | ----- | ------- |
| TØTAL | 51 | 30 | 81 | 37.0370 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      10
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR<br>NUMBER | -----MESSAGES-----<br>SENT DRØPPED TØTAL | | | PERCENT<br>DRØPPED |
|---|---|---|---|---|
| 1 | 15 | 7 | 22 | 31.8182 |
| 2 | 12 | 7 | 19 | 36.8421 |
| 3 | 8 | 5 | 13 | 38.4615 |
| 4 | 11 | 7 | 18 | 38.8889 |
| 5 | 14 | 7 | 21 | 33.3333 |
| 6 | 14 | 6 | 20 | 30.0000 |
| 7 | 14 | 7 | 21 | 33.3333 |
| 8 | 10 | 7 | 17 | 41.1765 |
| 9 | 14 | 7 | 21 | 33.3333 |
| 10 | 9 | 5 | 14 | 35.7143 |
| TØTAL | 121 | 65 | 186 | 34.9462 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:  300. SEC
SENSØR BUFFER:  5240 BITS
TRANSMIT RATE:   300 BPS
BITS PER PØLL:   240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 13  | 6  | 19  | 31.5789 |
| 2  | 10  | 5  | 15  | 33.3333 |
| 3  | 9   | 4  | 13  | 30.7692 |
| 4  | 11  | 7  | 18  | 38.8889 |
| 5  | 13  | 7  | 20  | 35.0000 |
| 6  | 7   | 7  | 14  | 50.0000 |
| 7  | 11  | 6  | 17  | 35.2941 |
| 8  | 10  | 4  | 14  | 28.5714 |
| 9  | 11  | 6  | 17  | 35.2941 |
| 10 | 10  | 5  | 15  | 33.3333 |
| TØTAL | 105 | 57 | 162 | 35.1852 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      30
SENSØR PERIØD:   300. SEC
SENSØR BUFFER:   5240 BITS
TRANSMIT RATE:   2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1  | 8  | 6 | 14 | 42.8571 |
| 2  | 11 | 5 | 16 | 31.2500 |
| 3  | 6  | 5 | 11 | 45.4545 |
| 4  | 7  | 4 | 11 | 36.3636 |
| 5  | 16 | 5 | 21 | 23.8095 |
| 6  | 12 | 8 | 20 | 40.0000 |
| 7  | 14 | 7 | 21 | 33.3333 |
| 8  | 13 | 7 | 20 | 35.0000 |
| 9  | 12 | 6 | 18 | 33.3333 |
| 10 | 9  | 5 | 14 | 35.7143 |
| 11 | 10 | 6 | 16 | 37.5000 |
| 12 | 9  | 7 | 16 | 43.7500 |
| 13 | 17 | 4 | 21 | 19.0476 |
| 14 | 13 | 6 | 19 | 31.5789 |
| 15 | 13 | 7 | 20 | 35.0000 |
| 16 | 11 | 7 | 18 | 38.8889 |
| 17 | 10 | 5 | 15 | 33.3333 |
| 18 | 13 | 6 | 19 | 31.5789 |
| 19 | 11 | 7 | 18 | 38.8889 |
| 20 | 13 | 4 | 17 | 23.5294 |
| 21 | 9  | 6 | 15 | 40.0000 |
| 22 | 10 | 5 | 15 | 33.3333 |
| 23 | 11 | 5 | 16 | 31.2500 |
| 24 | 11 | 4 | 15 | 26.6667 |
| 25 | 7  | 5 | 12 | 41.6667 |
| 26 | 11 | 7 | 18 | 38.8889 |
| 27 | 13 | 4 | 17 | 23.5294 |
| 28 | 15 | 5 | 20 | 25.0000 |
| 29 | 12 | 8 | 20 | 40.0000 |
| 30 | 10 | 5 | 15 | 33.3333 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 337 | 171 | 508 | 33.6614 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 2 | 5 | 7 | 71.4286 |
| 2 | 3 | 9 | 12 | 75.0000 |
| 3 | 3 | 9 | 12 | 75.0000 |
| 4 | 1 | 9 | 10 | 90.0000 |
| 5 | 1 | 7 | 8 | 87.5000 |
| 6 | 2 | 13 | 15 | 86.6667 |
| 7 | 3 | 10 | 13 | 76.9231 |
| 8 | 1 | 4 | 5 | 80.0000 |
| 9 | 3 | 9 | 12 | 75.0000 |
| 10 | 2 | 13 | 15 | 86.6667 |
| 11 | 1 | 10 | 11 | 90.9091 |
| 12 | 0 | 13 | 13 | 100.0000 |
| 13 | 1 | 8 | 9 | 88.8889 |
| 14 | 4 | 8 | 12 | 66.6667 |
| 15 | 1 | 7 | 8 | 87.5000 |
| 16 | 2 | 14 | 16 | 87.5000 |
| 17 | 1 | 11 | 12 | 91.6667 |
| 18 | 4 | 7 | 11 | 63.6364 |
| 19 | 2 | 9 | 11 | 81.8182 |
| 20 | 2 | 7 | 9 | 77.7778 |
| 21 | 3 | 7 | 10 | 70.0000 |
| 22 | 2 | 9 | 11 | 81.8182 |
| 23 | 0 | 10 | 10 | 100.0000 |
| 24 | 1 | 9 | 10 | 90.0000 |
| 25 | 3 | 9 | 12 | 75.0000 |
| 26 | 4 | 13 | 17 | 76.4706 |
| 27 | 0 | 7 | 7 | 100.0000 |
| 28 | 5 | 11 | 16 | 68.7500 |
| 29 | 1 | 10 | 11 | 90.9091 |
| 30 | 4 | 10 | 14 | 71.4286 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:    0.500
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:    10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 31 | 2 | 11 | 13 | 84.6154 |
| 32 | 4 | 12 | 16 | 75.0000 |
| 33 | 1 | 10 | 11 | 90.9091 |
| 34 | 4 | 12 | 16 | 75.0000 |
| 35 | 1 | 10 | 11 | 90.9091 |
| 36 | 6 | 13 | 19 | 68.4211 |
| 37 | 1 | 12 | 13 | 92.3077 |
| 38 | 0 | 10 | 10 | 100.0000 |
| 39 | 3 | 9 | 12 | 75.0000 |
| 40 | 4 | 12 | 16 | 75.0000 |
| 41 | 0 | 8 | 8 | 100.0000 |
| 42 | 1 | 11 | 12 | 91.6667 |
| 43 | 1 | 9 | 10 | 90.0000 |
| 44 | 3 | 13 | 16 | 81.2500 |
| 45 | 0 | 8 | 8 | 100.0000 |
| 46 | 4 | 12 | 16 | 75.0000 |
| 47 | 1 | 9 | 10 | 90.0000 |
| 48 | 2 | 11 | 13 | 84.6154 |
| 49 | 1 | 13 | 14 | 92.8571 |
| 50 | 3 | 12 | 15 | 80.0000 |
| 51 | 4 | 11 | 15 | 73.3333 |
| 52 | 0 | 12 | 12 | 100.0000 |
| 53 | 3 | 11 | 14 | 78.5714 |
| 54 | 2 | 9 | 11 | 81.8182 |
| 55 | 1 | 11 | 12 | 91.6667 |
| 56 | 1 | 8 | 9 | 88.8889 |
| 57 | 3 | 8 | 11 | 72.7273 |
| 58 | 2 | 11 | 13 | 84.6154 |
| 59 | 3 | 11 | 14 | 78.5714 |
| 60 | 1 | 13 | 14 | 92.8571 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:    0.500
·LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:    10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|----------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 3 | 12 | 15 | 80.0000 |
| 62 | 4 | 8 | 12 | 66.6667 |
| 63 | 2 | 7 | 9 | 77.7778 |
| 64 | 3 | 12 | 15 | 80.0000 |
| 65 | 0 | 14 | 14 | 100.0000 |
| 66 | 0 | 11 | 11 | 100.0000 |
| 67 | 1 | 7 | 8 | 87.5000 |
| 68 | 3 | 8 | 11 | 72.7273 |
| 69 | 4 | 9 | 13 | 69.2308 |
| 70 | 1 | 12 | 13 | 92.3077 |
| 71 | 3 | 11 | 14 | 78.5714 |
| 72 | 2 | 10 | 12 | 83.3333 |
| 73 | 2 | 8 | 10 | 80.0000 |
| 74 | 4 | 8 | 12 | 66.6667 |
| 75 | 3 | 6 | 9 | 66.6667 |
| 76 | 2 | 13 | 15 | 86.6667 |
| 77 | 0 | 11 | 11 | 100.0000 |
| 78 | 1 | 6 | 7 | 85.7143 |
| 79 | 3 | 10 | 13 | 76.9231 |
| 80 | 2 | 11 | 13 | 84.6154 |
| 81 | 2 | 7 | 9 | 77.7778 |
| 82 | 1 | 11 | 12 | 91.6667 |
| 83 | 0 | 12 | 12 | 100.0000 |
| 84 | 2 | 4 | 6 | 66.6667 |
| 85 | 1 | 10 | 11 | 90.9091 |
| 86 | 0 | 11 | 11 | 100.0000 |
| 87 | 3 | 8 | 11 | 72.7273 |
| 88 | 3 | 14 | 17 | 82.3529 |
| 89 | 2 | 12 | 14 | 85.7143 |
| 90 | 3 | 10 | 13 | 76.9231 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:      10

| SENSØR NUMBER | MESSAGES SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 91 | 4 | 12 | 16 | 75.0000 |
| 92 | 1 | 8 | 9 | 88.8889 |
| 93 | 2 | 8 | 10 | 80.0000 |
| 94 | 1 | 7 | 8 | 87.5000 |
| 95 | 2 | 9 | 11 | 81.8182 |
| 96 | 1 | 9 | 10 | 90.0000 |
| 97 | 1 | 5 | 6 | 83.3333 |
| 98 | 2 | 13 | 15 | 86.6667 |
| 99 | 3 | 9 | 12 | 75.0000 |
| 100 | 1 | 10 | 11 | 90.9091 |
| 101 | 4 | 11 | 15 | 73.3333 |
| 102 | 1 | 9 | 10 | 90.0000 |
| 103 | 1 | 12 | 13 | 92.3077 |
| 104 | 1 | 8 | 9 | 88.8889 |
| 105 | 0 | 11 | 11 | 100.0000 |
| 106 | 0 | 12 | 12 | 100.0000 |
| 107 | 0 | 9 | 9 | 100.0000 |
| 108 | 3 | 10 | 13 | 76.9231 |
| 109 | 1 | 9 | 10 | 90.0000 |
| 110 | 0 | 10 | 10 | 100.0000 |
| 111 | 3 | 9 | 12 | 75.0000 |
| 112 | 3 | 8 | 11 | 72.7273 |
| 113 | 1 | 13 | 14 | 92.8571 |
| 114 | 3 | 10 | 13 | 76.9231 |
| 115 | 0 | 15 | 15 | 100.0000 |
| 116 | 3 | 6 | 9 | 66.6667 |
| 117 | 3 | 12 | 15 | 80.0000 |
| 118 | 2 | 8 | 10 | 80.0000 |
| 119 | 1 | 11 | 12 | 91.6667 |
| 120 | 4 | 10 | 14 | 71.4286 |
| TØTAL | 236 | 1185 | 1421 | 83.3920 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS
#. REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 2 | 11 | 13 | 84.6154 |
| 2 | 1 | 9 | 10 | 90.0000 |
| 3 | 1 | 9 | 10 | 90.0000 |
| 4 | 1 | 10 | 11 | 90.9091 |
| 5 | 1 | 9 | 10 | 90.0000 |
| 6 | 2 | 9 | 11 | 81.8182 |
| 7 | 3 | 12 | 15 | 80.0000 |
| 8 | 0 | 11 | 11 | 100.0000 |
| 9 | 4 | 10 | 14 | 71.4286 |
| 10 | 3 | 8 | 11 | 72.7273 |
| 11 | 2 | 9 | 11 | 81.8182 |
| 12 | 0 | 10 | 10 | 100.0000 |
| 13 | 1 | 8 | 9 | 88.8889 |
| 14 | 0 | 12 | 12 | 100.0000 |
| 15 | 1 | 8 | 9 | 88.8889 |
| 16 | 3 | 9 | 12 | 75.0000 |
| 17 | 1 | 9 | 10 | 90.0000 |
| 18 | 2 | 10 | 12 | 83.3333 |
| 19 | 2 | 12 | 14 | 85.7143 |
| 20 | 3 | 8 | 11 | 72.7273 |
| 21 | 1 | 14 | 15 | 93.3333 |
| 22 | 3 | 11 | 14 | 78.5714 |
| 23 | 2 | 12 | 14 | 85.7143 |
| 24 | 1 | 12 | 13 | 92.3077 |
| 25 | 2 | 8 | 10 | 80.0000 |
| 26 | 1 | 8 | 9 | 88.8889 |
| 27 | 3 | 12 | 15 | 80.0000 |
| 28 | 1 | 12 | 13 | 92.3077 |
| 29 | 1 | 15 | 16 | 93.7500 |
| 30 | 3 | 11 | 14 | 78.5714 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:    2.00 HRS
# REPLY SLØTS:     10

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT DRØPPED |
|---|---|---|---|---|
| | SENT | DRØPPED | TØTAL | |
| 31 | 1 | 11 | 12 | 91.6667 |
| 32 | 1 | 8 | 9 | 88.8889 |
| 33 | 2 | 12 | 14 | 85.7143 |
| 34 | 0 | 11 | 11 | 100.0000 |
| 35 | 6 | 11 | 17 | 64.7059 |
| 36 | 0 | 12 | 12 | 100.0000 |
| 37 | 2 | 8 | 10 | 80.0000 |
| 38 | 4 | 9 | 13 | 69.2308 |
| 39 | 1 | 8 | 9 | 88.8889 |
| 40 | 2 | 10 | 12 | 83.3333 |
| 41 | 1 | 10 | 11 | 90.9091 |
| 42 | 0 | 7 | 7 | 100.0000 |
| 43 | 2 | 10 | 12 | 83.3333 |
| 44 | 1 | 9 | 10 | 90.0000 |
| 45 | 3 | 9 | 12 | 75.0000 |
| 46 | 2 | 9 | 11 | 81.8182 |
| 47 | 1 | 13 | 14 | 92.8571 |
| 48 | 1 | 9 | 10 | 90.0000 |
| 49 | 2 | 8 | 10 | 80.0000 |
| 50 | 1 | 13 | 14 | 92.8571 |
| 51 | 0 | 11 | 11 | 100.0000 |
| 52 | 1 | 8 | 9 | 88.8889 |
| 53 | 4 | 11 | 15 | 73.3333 |
| 54 | 2 | 12 | 14 | 85.7143 |
| 55 | 3 | 11 | 14 | 78.5714 |
| 56 | 3 | 10 | 13 | 76.9231 |
| 57 | 0 | 10 | 10 | 100.0000 |
| 58 | 2 | 7 | 9 | 77.7778 |
| 59 | 1 | 14 | 15 | 93.3333 |
| 60 | 4 | 10 | 14 | 71.4286 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS: 120
SENSØR PERIØD: 300. SEC
SENSØR BUFFER: 5240 BITS
TRANSMIT RATE: 2400 BPS
BITS PER PØLL: 240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN: 2.00 HRS
# REPLY SLØTS: 10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 61 | 1 | 10 | 11 | 90.9091 |
| 62 | 1 | 11 | 12 | 91.6667 |
| 63 | 5 | 9 | 14 | 64.2857 |
| 64 | 1 | 7 | 8 | 87.5000 |
| 65 | 2 | 6 | 8 | 75.0000 |
| 66 | 4 | 8 | 12 | 66.6667 |
| 67 | 0 | 11 | 11 | 100.0000 |
| 68 | 1 | 9 | 10 | 90.0000 |
| 69 | 1 | 12 | 13 | 92.3077 |
| 70 | 3 | 9 | 12 | 75.0000 |
| 71 | 3 | 10 | 13 | 76.9231 |
| 72 | 3 | 8 | 11 | 72.7273 |
| 73 | 3 | 7 | 10 | 70.0000 |
| 74 | 2 | 5 | 7 | 71.4286 |
| 75 | 2 | 13 | 15 | 86.6667 |
| 76 | 3 | 11 | 14 | 78.5714 |
| 77 | 1 | 11 | 12 | 91.6667 |
| 78 | 3 | 8 | 11 | 72.7273 |
| 79 | 2 | 9 | 11 | 81.8182 |
| 80 | 0 | 10 | 10 | 100.0000 |
| 81 | 3 | 7 | 10 | 70.0000 |
| 82 | 3 | 10 | 13 | 76.9231 |
| 83 | 1 | 9 | 10 | 90.0000 |
| 84 | 1 | 11 | 12 | 91.6667 |
| 85 | 3 | 6 | 9 | 66.6667 |
| 86 | 0 | 10 | 10 | 100.0000 |
| 87 | 0 | 11 | 11 | 100.0000 |
| 88 | 2 | 11 | 13 | 84.6154 |
| 89 | 1 | 8 | 9 | 88.8889 |
| 90 | 2 | 9 | 11 | 81.8182 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:    120
SENSØR PERIØD:    300. SEC
SENSØR BUFFER:    5240 BITS
TRANSMIT RATE:    2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:   0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 91 | 2 | 10 | 12 | 83.3333 |
| 92 | 2 | 9 | 11 | 81.8182 |
| 93 | 1 | 8 | 9 | 88.8889 |
| 94 | 1 | 10 | 11 | 90.9091 |
| 95 | 0 | 9 | 9 | 100.0000 |
| 96 | 4 | 8 | 12 | 66.6667 |
| 97 | 1 | 9 | 10 | 90.0000 |
| 98 | 2 | 9 | 11 | 81.8182 |
| 99 | 0 | 8 | 8 | 100.0000 |
| 100 | 4 | 12 | 16 | 75.0000 |
| 101 | 1 | 13 | 14 | 92.8571 |
| 102 | 3 | 9 | 12 | 75.0000 |
| 103 | 0 | 9 | 9 | 100.0000 |
| 104 | 3 | 10 | 13 | 76.9231 |
| 105 | 1 | 12 | 13 | 92.3077 |
| 106 | 3 | 11 | 14 | 78.5714 |
| 107 | 2 | 11 | 13 | 84.6154 |
| 108 | 2 | 6 | 8 | 75.0000 |
| 109 | 1 | 9 | 10 | 90.0000 |
| 110 | 3 | 10 | 13 | 76.9231 |
| 111 | 2 | 9 | 11 | 81.8182 |
| 112 | 3 | 12 | 15 | 80.0000 |
| 113 | 0 | 13 | 13 | 100.0000 |
| 114 | 0 | 7 | 7 | 100.0000 |
| 115 | 2 | 9 | 11 | 81.8182 |
| 116 | 2 | 11 | 13 | 84.6154 |
| 117 | 2 | 8 | 10 | 80.0000 |
| 118 | 2 | 8 | 10 | 80.0000 |
| 119 | 1 | 11 | 12 | 91.6667 |
| 120 | 3 | 11 | 14 | 78.5714 |
| ----- | ----- | ----- | ----- | ------- |
| TØTAL | 214 | 1176 | 1390 | 84.6043 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      5
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:    300 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 0 | 127 | 127 | 100.0000 |
| 2 | 0 | 115 | 115 | 100.0000 |
| 3 | 0 | 113 | 113 | 100.0000 |
| 4 | 0 | 120 | 120 | 100.0000 |
| 5 | 0 | 123 | 123 | 100.0000 |
| TØTAL | 0 | 598 | 598 | 100.0000 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:       5
SENSØR PERIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
|--------|------|---------|-------|---------|
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
| 1 | 110 | 67 | 177 | 37.8531 |
| 2 | 111 | 60 | 171 | 35.0877 |
| 3 |  97 | 61 | 158 | 38.6076 |
| 4 | 107 | 68 | 175 | 38.8571 |
| 5 | 125 | 68 | 193 | 35.2332 |
| TØTAL | 550 | 324 | 874 | 37.0709 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:   30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | -----MESSAGES----- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 87 | 84 | 171 | 49.1228 |
| 2 | 83 | 72 | 155 | 46.4516 |
| 3 | 85 | 91 | 176 | 51.7045 |
| 4 | 84 | 84 | 168 | 50.0000 |
| 5 | 77 | 85 | 162 | 52.4691 |
| 6 | 82 | 78 | 160 | 48.7500 |
| 7 | 76 | 83 | 159 | 52.2013 |
| 8 | 75 | 69 | 144 | 47.9167 |
| 9 | 87 | 77 | 164 | 46.9512 |
| 10 | 90 | 76 | 166 | 45.7831 |
| | ----- | ----- | ----- | -------- |
| TØTAL | 826 | 799 | 1625 | 49.1692 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  2400 BPS
BITS PER PØLL:     240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR NUMBER | MESSAGES SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 83 | 82 | 165 | 49.6970 |
| 2 | 74 | 80 | 154 | 51.9481 |
| 3 | 78 | 94 | 172 | 54.6512 |
| 4 | 63 | 91 | 154 | 59.0909 |
| 5 | 68 | 82 | 150 | 54.6667 |
| 6 | 69 | 85 | 154 | 55.1948 |
| 7 | 66 | 89 | 155 | 57.4194 |
| 8 | 75 | 83 | 158 | 52.5316 |
| 9 | 67 | 81 | 148 | 54.7297 |
| 10 | 54 | 76 | 130 | 58.4615 |
| TØTAL | 697 | 843 | 1540 | 54.7403 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:     10
SENSØR PERIØD:   30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:  2.00 HRS
# REPLY SLØTS:     10

| SENSØR | \-\-\-\-\-MESSAGES\-\-\-\-\- | | | PERCENT |
| NUMBER | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 113 | 76 | 189 | 40.2116 |
| 2 | 119 | 65 | 184 | 35.3261 |
| 3 | 102 | 62 | 164 | 37.8049 |
| 4 | 103 | 66 | 169 | 39.0533 |
| 5 | 103 | 71 | 174 | 40.8046 |
| 6 | 102 | 69 | 171 | 40.3509 |
| 7 | 100 | 61 | 161 | 37.8882 |
| 8 | 106 | 54 | 160 | 33.7500 |
| 9 | 113 | 71 | 184 | 38.5870 |
| 10 | 103 | 65 | 168 | 38.6905 |
| TØTAL | 1064 | 660 | 1724 | 38.2831 |

INT. SENSØRS, ANSWER SLØTS, EVEN INTERVAL TURNØN, RANDØM DETECTIØN
PØLL AT 300 BPS

RUN DATA:
NØ ØF SENSØRS:     20
SENSØR PERIØD:     30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.: 0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:     10

| SENSØR NUMBER | -----MESSAGES----- | | | PERCENT |
| | SENT | DRØPPED | TØTAL | DRØPPED |
|---|---|---|---|---|
| 1 | 53 | 98 | 151 | 64.9007 |
| 2 | 61 | 92 | 153 | 60.1307 |
| 3 | 48 | 84 | 132 | 63.6364 |
| 4 | 58 | 92 | 150 | 61.3333 |
| 5 | 56 | 95 | 151 | 62.9139 |
| 6 | 64 | 101 | 165 | 61.2121 |
| 7 | 55 | 88 | 143 | 61.5385 |
| 8 | 60 | 98 | 158 | 62.0253 |
| 9 | 49 | 100 | 149 | 67.1141 |
| 10 | 43 | 82 | 125 | 65.6000 |
| 11 | 50 | 95 | 145 | 65.5172 |
| 12 | 65 | 94 | 159 | 59.1195 |
| 13 | 54 | 84 | 138 | 60.8696 |
| 14 | 70 | 93 | 163 | 57.0552 |
| 15 | 51 | 98 | 149 | 65.7718 |
| 16 | 55 | 106 | 161 | 65.8385 |
| 17 | 52 | 90 | 142 | 63.3803 |
| 18 | 61 | 84 | 145 | 57.9310 |
| 19 | 61 | 83 | 144 | 57.6389 |
| 20 | 58 | 96 | 154 | 62.3377 |
| TØTAL | 1124 | 1853 | 2977 | 62.2439 |

INT. SENSØRS, ANSWER SLØTS,EVEN INTERVAL TURNØN, RANDØM DETECTIØN   32
PØLL AT 300 BPS


RUN DATA:
NØ ØF SENSØRS:      20
SENSØR PÉRIØD:    30. SEC
SENSØR BUFFER: 10240 BITS
TRANSMIT RATE:  4800 BPS
BITS PER PØLL:    240
PRØB. ØF TGT.:  0.500
LENGTH ØF RUN:   2.00 HRS
# REPLY SLØTS:      10

| SENSØR NUMBER | -----MESSAGES----- SENT | DRØPPED | TØTAL | PERCENT DRØPPED |
|---|---|---|---|---|
| 1 | 52 | 81 | 133 | 60.9023 |
| 2 | 58 | 87 | 145 | 60.0000 |
| 3 | 62 | 87 | 149 | 58.3893 |
| 4 | 63 | 98 | 161 | 60.8696 |
| 5 | 61 | 88 | 149 | 59.0604 |
| 6 | 52 | 76 | 128 | 59.3750 |
| 7 | 59 | 86 | 145 | 59.3103 |
| 8 | 57 | 88 | 145 | 60.6897 |
| 9 | 50 | 91 | 141 | 64.5390 |
| 10 | 71 | 79 | 150 | 52.6667 |
| 11 | 54 | 95 | 149 | 63.7584 |
| 12 | 62 | 91 | 153 | 59.4771 |
| 13 | 59 | 91 | 150 | 60.6667 |
| 14 | 59 | 88 | 147 | 59.8639 |
| 15 | 59 | 82 | 141 | 58.1560 |
| 16 | 68 | 85 | 153 | 55.5556 |
| 17 | 65 | 97 | 162 | 59.8765 |
| 18 | 55 | 96 | 151 | 63.5762 |
| 19 | 62 | 89 | 151 | 58.9404 |
| 20 | 57 | 90 | 147 | 61.2245 |
| TØTAL | 1185 | 1765 | 2950 | 59.8305 |